VDE Prüfbericht / *VDE Test Report*

Prüfbericht Nr. *Report No.*	296983-TL7-2
VDE-Aktenzeichen *VDE File No.*	5022428-9021-0068/296983
Ausstellungsdatum *Date of issue*	2022-07-10
Labor *Laboratory*	**VDE** Prüf- und Zertifizierungsinstitut GmbH ***VDE** Testing and Certification Institute*
Adresse *Address*	Merianstrasse 28 63069 Offenbach/Main; Germany
Prüfort / Adresse *Testing location/ address*	**VDE** Prüf- und Zertifizierungsinstitut GmbH
Auftraggeber *Applicant's name*	Motorola Mobility LLC
Auftraggeber Adresse *Applicant's address*	222 W. Merchandise Mart Plaza, Chicago, Illinois 60654, USA
Angewandte Norm(en) *Applied standard(s)*	Motorola W18 E
	2011/65/EU & 2015/863/EU(RoHS
	1907/2006/EC § 33 (REACH, SVHC)
	1907/2006/EC Annex XIV (REACH, Authorisation List)
	1907/2006/EC Annex XVII (REACH, List of restrictions)
Art der Prüflinge *Test item description*	**Smart Phone**
Warenzeichen *Trade Mark*	**Motorola/Lenovo**
Typenbezeichnungen(en) *Type reference(s)*	**Model: XT2251 Series**
Bemessungsdaten *Ratings*	

Haftungsausschluss / *Disclaimer:*

Dieser Prüfbericht enthält das Ergebnis einer einmaligen Untersuchung an dem zur Prüfung vorgelegten Erzeugnis. Ein Muster dieses Erzeugnisses wurde geprüft, um die Übereinstimmung mit den nachfolgend aufgeführten Normen bzw. Abschnitten von Normen festzustellen.
Der Prüfbericht berechtigt Sie nicht zur Benutzung eines Zertifizierungszeichens des VDE und berücksichtigt ausschließlich die Anforderungen der unten genannten Regelwerke. Wenn gegenüber Dritten auf diesen Prüfbericht Bezug genommen wird, muss dieser Prüfbericht in voller Länge an gleicher Stelle verfügbar gemacht werden
This test report contains the result of a singular investigation carried out on the product submitted. A sample of this product was tested to found the accordance with the thereafter listed standards or clauses of standards resp.
The test report does not entitle for the use of a VDE Certification Mark and considers solely the requirements of the specifications mentioned below. Whenever reference is made to this test report towards third party, this test report shall be made available on the very spot in full length.

Zustand des Prüfmusters *Test sample condition*.....	☒	Unbeschädigtes Prüfmuster *Non-damaged sample*
	Bemerkung / *Remark:*	
Wareneingang Prüfmuster *Sample entry date*.....	2022-05-05	
Datum der Durchführung der Prüfungen *Date (s) of performance of tests*.....	2022-05-05 – 2022-07-10	

Geprüft und erstellt von: *Tested by*.....:	Annkatrin Kuhl	
Name / *Name,* Unterschrift / *Signature*.....:	(Autorisierung des Prüfberichtes *Authorization of test report*)	
Funktion / *Function*.....:	Prüfingenieur / Testing engineer	
Überprüft von / *approved by*.....:		
Name / Name, Unterschrift / Signature.....:	Beatrice Duchardt	
Funktion / *Function*.....:	Fachzertifizierer / *Technical Certification Officer*	

Abschließendes Prüfergebnis ***Final Verdict:***	☒	**P**	☐	**F**
Bemerkung / *Remark*.....:				

Durchgeführte Prüfungen / *Performed tests*			
Abschnitt *Clause*	Prüfanforderungen / *Requirement + Test*	Ergebnis – Anmerkung *Result – Remark*	Beurteilung *Verdict*
	Motorola W18 E	Substances detected	
	2011/65/EU & 2015/863/EU(RoHS	Pass	P
	1907/2006/EC § 33 (REACH, SVHC)	Substances detected	No reporting required*
	1907/2006/EC Annex XIV (REACH, Authorisation List)	Substances detected	
	1907/2006/EC Annex XVII (REACH, List of restrictions)	Substances detected	
Ergänzende Information / *Supplementary information*:			
* According to the kind and extend of the tests performed no reporting is required on the functional unit level. However, reporting is required on the homogeneous material level due to 1,3-propanesultone.			

Allgemeine Bemerkungen / *General Remarks:*
Konformitätserklärung / *Conformity statement*: Die VDE-Entscheidungsregel für die Konformitätserklärung entspricht dem Verfahren 2 nach IEC Guide 115:2021 / *The VDE decision rule for the statement of conformity is in accordance with IEC Guide 115:2021 procedure 2*

Prüf- und Messmittel / *Testing and measuring equipment*:		
Parameter/s	Instrument/s	Method/e
Chemical elements Screening	Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectro XEPOS XC (XC) Inv. No. 1150667 Spectro XEPOS HE (XL) Inv. No. 1150529 Spectro XEPOS HE (XR) Inv. No. 1150796	IEC 62321-3-1:2013
Polymers	Infrared Spectrometry (IR) Bruker ALPHA (IR1) Inv. No. 1150578 Bruker INVENIO S (IR2) Inv. No. 1150787	Inhouse Method SOP TL72 0214 Version 1
Cr(VI)	Ultraviolet Spectrometry (UV-Vis) Agilent Technologies Cary 8454 UV-Vis Inv. No. 1150611	IEC 62321-7-1:2015
Pb, Br Localization	Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectro Midex (M1) Inv. No. 1150728 Spectro Midex (M2) Inv. No. 1150284 Spectro Midex (M3) Inv. No. 1150774 Spectro Midex (M4) Inv. No. 1150776 Bruker M4 Tornado Inv. No. 1150719	IEC 62321-1:2013 IEC 62321-2:2021
REACH SVHC / Annex XIV / Annex XVII Substances screening	Gas chromatography with mass spectrometric detection (GC-MSD) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-5) Inv. No. 5211095 ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4) Inv. No. 5211053	VUP Guide: Screening Products for SVHC according to the REACH Regulation
Phthalates	Gas chromatography with mass spectrometric detection (GC-MSD) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-5) Inv. No. 5211095	Inhouse Method
PAH	Gas chromatography with mass spectrometric detection (GC-MSD) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-5) Inv. No. 5211095 ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4) Inv. No. 5211053	AfPS GS 2019:01 PAK IEC 62321-10/CD

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1 Description of the Sample (EUT)

Type of EUT:	Product as mentioned on page 1
Model:	
Serial number:	



2 Assessment summary of substances according to 12G02897W18

2.1 Global Compliance Acceptance Criteria (banned and controlled Substances)

Substances	Results
Asbestos, asbestos compounds	For indicator elements Al and Si see chapter 3 [1)]
Benzenamine, N-phenyl-, Reaction Products with Styrene and 2,4,4-Trimethylpentene (“BNST”)	n.t.
Chlorofluorocarbons and halons (Class I and II Ozone Depleting Chemicals) [1]	For indicator element Cl see chapter 3 [1)]
Halogenated dioxins and furans	(For indicator element Cl and Br see chapter 3 [1)])
Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), and Sulfur Hexafluoride (SF6)	n.t.
Mercury and Mercury Compounds	n.d. see chapter 3
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-imethylethyl)-	n.d. see chapter 5
Polychlorobiphenyls and derivatives (PCBs)	For indicator element Cl see chapter 3 [1)]
Polychloroterphenyls and derivatives (PCTs)	For indicator element Cl see chapter 3 [1)]
Azo Dyes in leathers and textiles	n.a. (no leather and textiles)
Arsenic and arsenic compounds in wood products as a preservative [3]	For indicator element As see chapter 3 [1)]
Bisphenol-A [4]	Detected see chapter 5
Cadmium and cadmium compounds	n.d. see chapter 3
Cadmium, Chromium (VI), Lead and Mercury metals and compounds in packaging	n.a. (no packaging)
Cadmium and cadmium compounds in “portable” batteries	n.a. (no batteries)
Chromium (VI) compounds	n.d. see chapter 3
Chromium (VI) compounds in leather and textiles	n.a. (no leather and textiles)
Cobalt Dichloride	For indicator element Co see chapter 3 [1)]
Creosotes	For indicator substances (Anthracene, Benzo[a]pyrene etc.) see chapter 5
Diisobutyl Phthalate (DIBP), Dibutyl Phthalate (DBP), Benzyl Butyl Phthalate (BBP), Bis(2-ethylhexyl) Phthalate (DEHP)	Not detected see chapter 2.3, 3, 5
Diisononyl Phthalate (DINP)	n.d. see chapter 3, 5
Formaldehyde	n.a. (no Composite Wood Products, textiles, washing or cleaning agents, cosmetic care products)
Lead and lead compounds	**detected** see chapter 2.2; 2.3; 3; 4
Lead in cable jackets [1, 2]	n.d. see chapter 3
Nickel and nickel compounds [4]	**detected** see chapter 3 [2)]
Nonylphenol ethoxylate [7]	n.d. see chapter 5
Nonylphenol and its isomer mixtures [7]	n.d. see chapter 5

Substances	Results
Polybrominated biphenyls (PBBs)	n.d. see chapter 3
Polybrominated diphenyl ethers (PBDEs)	n.d. see chapter 3
Perchlorates-Lithium Perchlorate, Magnesium Perchlorate, Zinc Perclorate [5]	n.a. (no perchlorate Batteries)
Perfluoro alkyl sulfonates (PFAS), and derivatives (including PFOS)	n.t.
Perfluorooctanoic Acids	n.t.
Persistant Organic Pollutants (POP)	n.t. For indicator elements Br and Cl see chapter 3 [1)]
Poly Vinyl Chloride (PVC) vinyl chloride monomer in External Cables	n.d. see chapter 3 (no external cables)
Certain short and medium chained chlorinated paraffins	n.d.
REACH Authorised and Restricted Substances not otherwise listed	detected see chapter 5
REACH Authorised and Restricted Substances not otherwise listed - Entry 20 Organostannic compounds [6]	n.d.
REACH Authorised and Restricted Substances not otherwise listed - Entry 21 Di-µ-oxo-di-n-butylstanniohydroxyborane [6]/ Dibutyltin hydrogen borate C8H19BO3Sn (DBB)	Sn < 0.04 %[1)] (DBB < 0.1%)
REACH Authorised and Restricted Substances not otherwise listed - Entry 50 Polycyclic-aromatic hydrocarbons (PAH)	n.a. (no rubber or dark plastic materials that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity under normal or reasonably foreseeable conditions of use)
REACH Candidate List Substances not otherwise listed	**detected** see chapter 5
Tris(2-chloroethyl)phosphate (“TCEP”)	n.d. see chapter 5
Tris(1,3-dichloro-2-propyl) phosphate (“TDCPP”)	For indicator element Cl see chapter 3 [1)]

[1] Substance may not be intentionally added.
[2] The concentration basis is based on the weight of the external cable jacket not including any conductors, sheathed conductors or ground jackets.
[3] Banned in packaging and as a fumigation technique for wood pallets and other wood packaging (includes methyl bromide).
[4] Controlled in surface preparations of products and parts intended to come into direct and prolonged contact with the skin. For Nickel, such products and parts must be evaluated by a materials testing laboratory in accordance with EN1811:1999 to validate that the Nickel ion release rate is < 0.5 µg/cm²/week. A supplier must provide a declaration of compliance with this standard along with their material disclosure for affected products and parts. If the Nickel reported will not come into direct and prolonged contact with the skin, the supplier must add the following comment to the Remarks column: “Nickel will not come into direct or prolonged contact with the skin.”
[5] Lithium perchlorate in coin cell batteries rated over 10mAh is allowed; this regulation also requires labeling of the end product
[6] Substance shall not be greater than the equivalent of 0.1 % by weight of tin.
[7] One isomer tested as representative for substance group
n.t.: Not tested
n.d.: Not detected
n.a.: Not applicable
[1)] Relevant compounds based on XRF Screening test results. For the speciation of the substances, further testing could be required
[2)] Not in surface preparations of products intended to come into direct and prolonged contact with the skin./
[3)] Depending on the actual nature of the compound there is a risk of REACH Annex XVII non compliance.

Following materials of concern according to Motorola 12G02897W18 rev. E were identified that exceed the thresholds according to Appendix C Section 5 for controlled and banned substances.

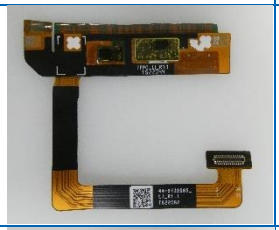
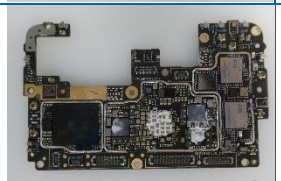
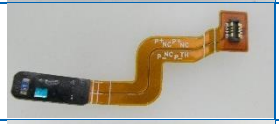
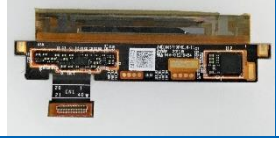
2.2 Items that only use Homogeneous Materials

None

2.3 Phthalates in fractions

None

2.4 Non Homogeneous items that require attention on the sub item level

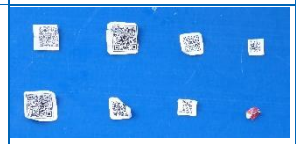
Sample Item	Description	Photo	Sub item	Material of Concern (Concentration) [1]	Does that rating make use of an Exemption	Sub Item level acceptance rating
FJ2589-19	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Flex		Flex (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
FJ2592-01	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
FJ2596-04	22-188 Motorola, Smartphone Model #XT2251 series, Quick view display flex		Flex (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
FJ2604-04	22-188 Motorola, Smartphone Model #XT2251 series, Main PWB		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
FJ2607-01	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Flex		Flex (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
FJ2619-01	22-188 Motorola, Smartphone Model #XT2251 series, Display flex		Flex (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**

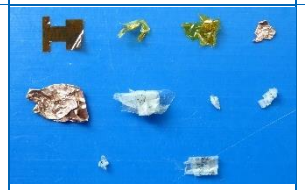
[1] Threshold limits are given in ppm, exemptions are in wt.% - ppm = mg/kg (w/w)
[2] Components have been identified that contain lead in ceramics. Due to expired exemption for lead in dielectric ceramic capacitors (of less than 125V AC or 250V DC) it has to be made sure that the exemption is really applicable to all single components identified to contain Lead - see x,y-board scan

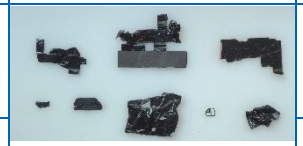
3 Material Assay Screening Results

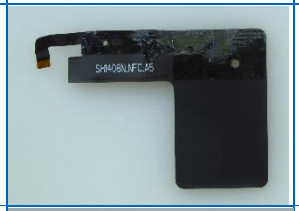
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
22-188 Motorola, Smartphone Model #XT2251 series								
FJ2578-00	22-188 Motorola, Smartphone Model #XT2251 series, SIM Card holder		0.344	0.17%				
FJ2578-01	22-188 Motorola, Smartphone Model #XT2251 series, SIM Card holder, Label				0.29%	PET 80% Acrylic 20%	Other: Si P S Cl Ca Ti; Trace: K Fe Sn.	
FJ2578-02	22-188 Motorola, Smartphone Model #XT2251 series, SIM Card holder, Black metal button				59.88%		Main: Al P S Cu; Other: V Cr Mn Fe Co Ni Ga Mo; Trace: .	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FJ2578-03	22-188 Motorola, Smartphone Model #XT2251 series, SIM Card holder, Gray plastic frame				22.09%	PC	Main: Si Ca Ti; Other: P S Cl K V Cr Fe; Trace: Mn Ni Zn Sr Zr Ta.	Reportable: Cr Fe Si P;
FJ2578-04	22-188 Motorola, Smartphone Model #XT2251 series, SIM Card holder, Metal frame				14.83%		Main: P S Cr Fe Ni; Other: Al V Mn Co Cu Ta W; Trace: Te.	Reportable: Cr Fe Co Cu Ta W; Controlled: Ni.

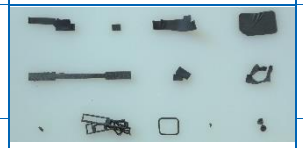
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2578-05	22-188 Motorola, Smartphone Model #XT2251 series, SIM Card holder, Black rubber part				2.91%	PUR	Other: Si P S Cl Ca; Trace: Fe.	
FJ2579-00	22-188 Motorola, Smartphone Model #XT2251 series, Lower backside cover		8.446	4.25%		Glass 60% PET 20% Acrylic 20%	Main: Al Si K; Other: P S Cl Ca Fe Cu Zn Zr Sn; Trace: Ti Mn Ni Ga Rb Hf Ta.	Reportable: Al Fe Cu Zn Sn Si P;
FJ2580-00	22-188 Motorola, Smartphone Model #XT2251 series, Black glue 1-6		0.765	0.39%				
FJ2580-01	22-188 Motorola, Smartphone Model #XT2251 series, Black glue 1				19.48%	Acrylic	Main: Si; Other: P S Cl K Ca Ti Fe Zn; Trace: Cr Ni Cu Mo Ta W.	Reportable: Fe Zn Si P;
FJ2580-02	22-188 Motorola, Smartphone Model #XT2251 series, Black glue 2				27.58%	Acrylic	Other: P S Cl K Ca Ti Fe Zn; Trace: V Cr Ni Cu Ta W.	Reportable: Fe Zn;
FJ2580-03	22-188 Motorola, Smartphone Model #XT2251 series, Black glue 3				30.07%	PET 80% Acrylic 20%	Other: P S Cl K Ca Ti Fe Zn; Trace: Mn Ni Cu Mo Ta.	Reportable: Fe P;
FJ2580-04	22-188 Motorola, Smartphone Model #XT2251 series, Black glue 4				0.13%	PET 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: Fe.	
FJ2580-05	22-188 Motorola, Smartphone Model #XT2251 series, Black glue 5				7.45%	Acrylic	Main: Si; Other: P S Cl K Ca Ti Cr Fe Zn; Trace: Mn Co Ni Cu Mo Ta W.	Reportable: Cr Fe Co Zn Si P;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2580-06	22-188 Motorola, Smartphone Model #XT2251 series, Black glue 6				15.29%	PET 80% Acrylic 20%	Main: Si; Other: P S Cl K Ca Ti Fe Zn; Trace: Cr Mn Ni Cu Mo Ta W.	Reportable: Fe Si P;
FJ2581-00	22-188 Motorola, Smartphone Model #XT2251 series, Labels 1-7, Humidity indicator 1+2		0.033	0.02%				
FJ2581-01	22-188 Motorola, Smartphone Model #XT2251 series, Labels 1				12.12%	Paper 80% Acrylic 20%	Main: Ca; Other: Al Si P S Cl; Trace: Ti Fe Sn.	Reportable: Al Si;
FJ2581-02	22-188 Motorola, Smartphone Model #XT2251 series, Labels 2				27.27%	Paper 80% PUR 20%	Main: Ca; Other: Si P S Cl; Trace: Ti Fe Sn.	Reportable: Si;
FJ2581-03	22-188 Motorola, Smartphone Model #XT2251 series, Labels 3				12.12%	PET 80% Acrylic 20%	Other: Si P S Cl Ca Ti; Trace: Fe.	
FJ2581-04	22-188 Motorola, Smartphone Model #XT2251 series, Labels 4				3.03%	PET 80% Acrylic 20%	Other: Si P S Cl Ca Ti; Trace: K V Fe.	
FJ2581-05	22-188 Motorola, Smartphone Model #XT2251 series, Labels 5				24.24%	Paper 80% Acrylic 20%	Main: Ca; Other: Si P S Cl; Trace: Ti Cr Fe Sn.	
FJ2581-06	22-188 Motorola, Smartphone Model #XT2251 series, Labels 6				12.12%	PET 80% Acrylic 20%	Other: Si P S Cl Ca Ti; Trace: Fe Sn.	
FJ2581-07	22-188 Motorola, Smartphone Model #XT2251 series, Labels 7				3.03%	PP 80% Acrylic 20%	Other: Si P S Cl Ca Ti; Trace: Fe Sn.	

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2581-08	22-188 Motorola, Smartphone Model #XT2251 series, Humidity indicator 1+2				6.06%	Paper 80% Acrylic 20%	Other: Si P S Cl Ca Ti; Trace: K Fe.	
FJ2582-00	22-188 Motorola, Smartphone Model #XT2251 series, Orange glue strip, Yellow glue strips 1-5, Copper glue strip, Clear glue strips 1-5		0.453	0.23%				
FJ2582-01	22-188 Motorola, Smartphone Model #XT2251 series, Orange glue strip				4.42%	PAI 80% Silicone 20%	Main: Si; Other: P S Cl Ca; Trace: K Fe.	Reportable: Si;
FJ2582-02	22-188 Motorola, Smartphone Model #XT2251 series, Yellow glue strips 1				1.32%	PAI 80% Silicone 20%	Main: Si; Other: P S Cl Ca; Trace: K Ti Fe Zn.	Reportable: Si;
FJ2582-03	22-188 Motorola, Smartphone Model #XT2251 series, Yellow glue strips 2				3.09%	PAI 80% Silicone 20%	Main: Si; Other: P S Cl Ca; Trace: K Ti Fe.	Reportable: Si;
FJ2582-04	22-188 Motorola, Smartphone Model #XT2251 series, Copper glue strip 1				4.42%	Metal 70% Acrylic 30%	Main: Cu; Other: Si P S Cl Ca Co Ni Hf Ta; Trace: K Fe Zn W.	Reportable: Co Cu Ta; Controlled: Ni.
FJ2582-05	22-188 Motorola, Smartphone Model #XT2251 series, Copper glue strip 2				33.77%	Metal 70% Acrylic 30%	Main: Al Cu; Other: Si P S Cl Ca Co Ni Zn Hf Ta W; Trace: K Fe Sn.	Reportable: Al Co Cu Zn Ta W Si; Controlled: Ni.
FJ2582-06	22-188 Motorola, Smartphone Model #XT2251 series, Clear glue strips 1				36.42%	PET 80% Acrylic 20%	Main: Si; Other: P S Cl K Ca Ti Fe Zn; Trace: Cr Ni Cu Y Ta W.	Reportable: Fe Si P;
FJ2582-07	22-188 Motorola, Smartphone Model #XT2251 series, Clear glue strips 2				1.77%	PET 80% Acrylic 20%	Other: Si P S Ca; Trace: Cl Fe.	

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2582-08	22-188 Motorola, Smartphone Model #XT2251 series, Clear glue strips 3				3.31%	PET 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe.	
FJ2582-09	22-188 Motorola, Smartphone Model #XT2251 series, Clear glue strips 4				0.66%	PET 80% Acrylic 20%	Other: Si P S Ca; Trace: Cl Fe Sn.	
FJ2582-10	22-188 Motorola, Smartphone Model #XT2251 series, Clear glue strips 5				10.82%	PET 80% Acrylic 20%	Other: Si P S Cl K Ca Ti Cr Fe Zn; Trace: Mn Ni Cu Mo Sn Ta.	Reportable: Cr Fe Si P;
FJ2583-00	22-188 Motorola, Smartphone Model #XT2251 series, Black glue strip 1-10		0.883	0.44%				
FJ2583-01	22-188 Motorola, Smartphone Model #XT2251 series, Black glue strip 1+2				8.15%	PET 80% Acrylic 20%	Main: Si S; Other: P Cl K Ca Ti Fe; Trace: V Cr Mn Ni Cu Zn Ta W Bi.	Reportable: Fe Si P;
FJ2583-02	22-188 Motorola, Smartphone Model #XT2251 series, Black glue strip 3				27.07%	PET 80% Acrylic 20%	Main: Si S; Other: P Cl K Ca Fe Cu; Trace: Ti Ni Zn Hf Ta W.	Reportable: Fe Cu Si P;
FJ2583-03	22-188 Motorola, Smartphone Model #XT2251 series, Black glue strip 4				33.75%	Metal 60% PET 20% Acrylic 20%	Main: Cu; Other: Al Si P S Cl Ca Fe Co Ni Zn Yb Hf Ta; Trace: K Ti Zr Sn.	Reportable: Al Fe Co Cu Zn Ta Si; Controlled: Ni.
FJ2583-04	22-188 Motorola, Smartphone Model #XT2251 series, Black glue strip 5				0.57%	PET 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Ti Fe.	Reportable: Si;
FJ2583-05	22-188 Motorola, Smartphone Model #XT2251 series, Black glue strip 6+9				5.21%	Acrylic	Main: Si S; Other: Al P Cl K Ca Ti Fe Zn; Trace: Cr Mn Ni Mo Ta W.	Reportable: Al Fe Zn Si P;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2583-06	22-188 Motorola, Smartphone Model #XT2251 series, Black glue strip 7				15.18%	PET 80% Acrylic 20%	Main: Si S; Other: P Cl K Ca Ti Fe; Trace: Cr Ni Zn Ta W.	Reportable: Fe Si P;
FJ2583-07	22-188 Motorola, Smartphone Model #XT2251 series, Black glue strip 8				0.34%	PUR 60% PET 20% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe.	
FJ2583-08	22-188 Motorola, Smartphone Model #XT2251 series, Black glue strip 10				9.74%	PET 80% Acrylic 20%	Main: Si S; Other: P Cl K Ca Ti Fe; Trace: Cr Mn Ni Cu Zn Ta W.	Reportable: Fe Si P;
FJ2584-00	22-188 Motorola, Smartphone Model #XT2251 series, NFC Flex		0.626	0.32%			Main: Al Ti Fe Ni Cu Zn; Other: Si P S Cl K Ca V Mn Co Sr Zr Ba Yb W; Trace: Ga Y.	Reportable: Al Fe Co Cu Zn Ba W Si P; Controlled: Ni.
FJ2585-00	22-188 Motorola, Smartphone Model #XT2251 series, Black screws 1-7, Silver screws 1+2		1.264	0.64%				
FJ2585-01	22-188 Motorola, Smartphone Model #XT2251 series, Black screws 1+2+3+4				55.54%		Main: P S Fe Zn; Other: Al Cr Mn Co Ta W; Trace: V Mo.	Reportable: Cr Fe Co Zn Ta W;
FJ2585-02	22-188 Motorola, Smartphone Model #XT2251 series, Black screws 5+6				28.24%		Main: P S Fe Zn; Other: Al Cr Mn Co Ta W; Trace: V Cu Mo.	Reportable: Cr Fe Co Zn Ta W;
FJ2585-03	22-188 Motorola, Smartphone Model #XT2251 series, Black screws 7				7.28%		Main: P S Fe Zn; Other: Al Cr Mn Co Ta; Trace: .	Reportable: Cr Fe Co Zn Ta;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2585-04	22-188 Motorola, Smartphone Model #XT2251 series, Silver screws 1+2				8.94%		Main: P S Fe Zn; Other: Al Cr Mn Co Ni Cu Ta W; Trace: V.	Reportable: Cr Fe Co Cu Zn Ta W; Controlled: Ni.
FJ2586-00	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 1-12		0.343	0.17%				
FJ2586-01	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 1				16.03%	PUR 60% PET 20% Acrylic 20%	Main: Si; Other: P S Cl K Ca Fe; Trace: Ti Cr Ni Cu Zn Ga Mo Ta W.	Reportable: Fe Si P;
FJ2586-02	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 2				1.75%	PUR 60% PET 20% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe.	
FJ2586-03	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 3				24.49%	PUR 60% PET 20% Acrylic 20%	Main: Si S; Other: P Cl K Ca Ti Fe; Trace: Mn Ni Cu Zn Ga Mo Ta W.	Reportable: Fe Si P;
FJ2586-04	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 4				9.04%	PUR 60% PET 20% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe.	Reportable: Si;
FJ2586-05	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 5				18.37%	PUR 60% PET 20% Acrylic 20%	Main: Si S; Other: Al P Cl K Ca Fe; Trace: Ti V Ni Cu Zn Ta.	Reportable: Al Fe Si P;
FJ2586-06	22-188 Motorola, Smartphone Model #XT2201 series, Shock pads 6				7.87%	PUR 60% PET 20% Acrylic 20%	Main: Si S; Other: P Cl K Ca Fe; Trace: Ti Cr Ni Cu Zn Mo Ba Ta W.	Reportable: Fe Si P;
FJ2586-07	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 7				2.04%	PP 60% PET 20% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe.	

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2586-08	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 8				0.29%	PP 60% PET 20% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe Sn.	
FJ2586-09	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 9				17.49%	PEVA 60% PET 20% Acrylic 20%	Main: Si S Ca; Other: P Cl K Ti Fe Ni Zn; Trace: V Mn Cu Mo Ta W.	Reportable: Fe Zn Si P;
FJ2586-10	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 10				1.17%	PUR 60% PET 20% Acrylic 20%	Other: Si P S Ca; Trace: Cl K Fe Sn.	
FJ2586-11	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 11				0.29%	PET 80% Acrylic 20%	Other: Si P S Ca; Trace: Cl Fe Sn.	
FJ2586-12	22-188 Motorola, Smartphone Model #XT2251 series, Shock pads 12				1.17%	PUR 60% PET 20% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Ti Fe.	Reportable: Si;
FJ2587-00	22-188 Motorola, Smartphone Model #XT2251 series, Black plastic cover 1-3		4.517	2.27%				
FJ2587-01	22-188 Motorola, Smartphone Model #XT2251 series, Black plastic cover 1				25.13%	PC	Main: Cr Cu; Other: P S Cl Ca Ti Mn Fe Co Ni Zn Zr Sn Sb Ba Pr Nd Hf; Trace: Y Mo Cs La Ce W.	Reportable: Cr Fe Co Cu Sn Sb Ba Pr Nd; Controlled: Ni.
FJ2587-02	22-188 Motorola, Smartphone Model #XT2251 series, Black plastic cover 2				45.76%	PC	Main: Cr Ni Cu; Other: P S Cl Ca Ti Mn Fe Co Zn Zr Sn Sb Hf; Trace: Y Mo.	Reportable: Cr Fe Co Cu Sn Sb P; Controlled: Ni.
FJ2587-03	22-188 Motorola, Smartphone Model #XT2251 series, Metal part 1				16.25%		Main: Cr Mn Fe Ni; Other: Al P S V Co Cu W; Trace: Mo.	Reportable: Al Cr Fe Co Cu W; Controlled: Ni.

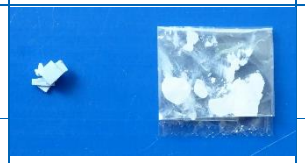
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2587-04	22-188 Motorola, Smartphone Model #XT2251 series, Black plastic cover 3				7.50%	PC	Main: Si Ca; Other: P S Cl K Ti Fe; Trace: V Cr Mn Ni Zn Sr Ta.	Reportable: Fe Si P;
FJ2587-05	22-188 Motorola, Smartphone Model #XT2251 series, Metal part 2				5.36%		Main: Cr Mn Fe Ni; Other: Al P S V Co Cu; Trace: .	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FJ2588-00	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker		2.811	1.42%				
FJ2588-01	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Outer metal housing 1				15.72%		Main: Cr Fe Ni; Other: Al P S V Mn Co Cu Mo; Trace: .	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FJ2588-02	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Outer metal housing 2				12.13%		Main: Cr Fe Ni; Other: Al P S V Mn Co Cu Mo; Trace: .	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FJ2588-03	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Black plastic housing				18.78%	PC	Main: Si Ca; Other: P S Cl K Ti Fe; Trace: V Cr Mn Ni Br Sr Zr Ta.	Reportable: Fe Si P;
FJ2588-04	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Metal housing 1				11.35%		Main: P Fe Ni; Other: Al S Cr Mn Co Bi; Trace: .	Reportable: Al Cr Fe Co Bi; Controlled: Ni.
FJ2588-05	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Metal frame				4.62%		Main: P S Fe Ni; Other: Al Mn Co Cu Zn; Trace: V Cr.	Reportable: Fe Co Zn; Controlled: Ni.

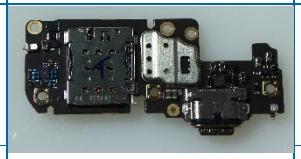
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2588-06	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Metal housing 2				4.23%		Main: P S Fe Ni; Other: Al Cr Mn Co Zn Bi; Trace: V Cu.	Reportable: Cr Fe Co Zn Bi; Controlled: Ni.
FJ2588-07	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Black shock pad				0.32%	PUR 60% PET 20% Acrylic 20%	Other: Si P S Cl Ca; Trace: Fe Ni.	
FJ2588-08	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Magnet 1				11.60%		Main: S Fe Zn; Other: Al P Cr Co W; Trace: V.	Reportable: Al Cr Fe Co Zn W;
FJ2588-09	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Copper wire				2.67%		Main: P S Cu; Other: Al; Trace: .	Reportable: Cu;
FJ2588-10	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Magnets 2				10.14%		Main: P S Fe Zn; Other: Al V Co; Trace: .	Reportable: Al Fe Co Zn;
FJ2588-11	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Black plastic frame				1.28%	PA-GF	Main: Si S Ca; Other: Al P Cl K Ti Fe Ni; Trace: V Cr Mn Zn Sr Y Zr Mo Ta.	Reportable: Al Fe Si P;
FJ2588-12	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, White net				0.50%	PET 90% Acrylic 10%	Other: Si P S Cl K Ca Ti Fe; Trace: Cr Ni.	Reportable: Fe Si;
FJ2588-13	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Membrane				0.57%	Metal 70% PET 30%	Main: Al; Other: Si P S Cl Ca Fe; Trace: K Ti V Cu Sn.	Reportable: Al Fe Si;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2588-14	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Small blue plate				0.04%		Other: Si P S Cl Ca; Trace: K Fe Sn.	
FJ2588-15	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Grey rubber part				0.04%	PUR	Other: Si P S Cl Ca; Trace: Fe Sn.	Reportable: Si;
FJ2588-16	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, White glue				0.60%	Acrylic	Main: Si S; Other: P Cl K Ca Ti Fe; Trace: Cr Ni Zn Ta.	Reportable: Fe Si P;
FJ2588-17	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Small white plate				0.04%	PET 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Ti Fe Sn.	
FJ2588-18	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, White granulates				4.48%	PUR	Main: Si; Other: P S Cl K Ca; Trace: Ti Fe.	Reportable: Si;
FJ2588-19	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Flex				0.75%		Main: Al Si P S Ni Cu; Other: Cl K Ca Ti Zn Zr Sn Au; Trace: V Cr Co Ge Nb.	Reportable: Al Co Cu Sn Au Si P; Controlled: Ni.
FJ2588-20	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Metal parts				0.11%		Main: Al P S Fe; Other: V Cr Ni Cu W; Trace: Co Zn Mo Ta.	Reportable: Al Cr Fe Co Cu W; Controlled: Ni.
FJ2588-21	22-188 Motorola, Smartphone Model #XT2251 series, Bottom speaker, Pink glue				0.04%	Acrylic	Other: Si P S Cl Ca; Trace: K Fe Sn.	Reportable: Si;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2589-00	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Outer cover		35.339	17.80%				
FJ2589-01	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Outer cover				2.79%		Main: Al P S Fe; Other: V Cr Co Cu Ga; Trace: Ni W.	Reportable: Al Cr Fe Co Cu;
FJ2589-02	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Green/black glue strip 1				0.18%	PET 80% Acrylic 20%	Main: Co; Other: Al Si P S Cl Ca Ti Ni Cu Zn Ta; Trace: K Cr Fe Y Zr Hf W.	Reportable: Al Co Zn Ta; Controlled: Ni.
FJ2589-03	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Green glue strip 1				0.12%	PET	Main: Co; Other: Al Si P S Cl Ca Ti Ni Zn; Trace: K Cr Fe Y Hf Ta W.	Reportable: Al Co; Controlled: Ni.
FJ2589-04	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Green/black glue strip 2				0.06%	PET 80% Acrylic 20%	Other: Si P S Ca Ti Co Ni; Trace: Cl Fe Zn Sn.	Reportable: Co;
FJ2589-05	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Green glue strip 2				0.03%	PET	Other: Si P S Cl Ca Ti Co Ni; Trace: K Fe Zn.	Reportable: Co P;
FJ2589-06	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Green glue strip 3				0.07%	PET 80% Acrylic 20%	Other: Al Si P S Cl Ca Ti Co Ni Cu Zn; Trace: K Fe Zr.	Reportable: Al Co Cu P; Controlled: Ni.
FJ2589-07	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Yellow glue strip				0.05%	PET	Other: Al Si P S Cl Ca Co Cu; Trace: Fe Sn W.	Reportable: Al Co Cu Si;
FJ2589-08	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Contact 1				0.38%		Main: Al Ni Cu; Other: P S Ti Cr Fe Co Sn; Trace: V.	Reportable: Al Cr Fe Co Cu Sn; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2589-09	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Contact 2				0.07%		Main: Al P S Fe; Other: Ti V Cr Co Ni Cu Ga; Trace: W.	Reportable: Al Cr Fe Co Cu;
FJ2589-10	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Clear glue strip				0.08%	PET 80% Acrylic 20%	Main: Si S; Other: P Cl K Ca Ti Fe Co Cu; Trace: Mn Ni Zn W.	Reportable: Fe Co Si P;
FJ2589-11	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, White foil				6.56%	PE	Main: Al P S Cu; Other: Si Cl K Ca Ti Fe Co; Trace: V Cr Zn Ga Y Zr Mo W.	Reportable: Al Fe Co Cu Si P;
FJ2589-12	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Silver foil				8.43%		Main: Al Co; Other: P S Ti V Fe Cu Zr; Trace: Mn Ga.	Reportable: Al Fe Co Cu;
FJ2589-13	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Copper foil				10.31%		Main: P Cu Hf; Other: Al S Cr Co; Trace: V.	Reportable: Al Cr Co Cu;
FJ2589-14	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Carbon coating				68.41%		Main: Co Cu; Other: Al Si P S Cl Ca Ti Fe Ni Zn Y Zr Yb Hf Ta W; Trace: K V Cr Mn Sn I Ba La Ce Pr Nd U.	Reportable: Al Fe Co Cu Y Ta W Si P;
FJ2589-15	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Black glue strips 1				0.25%	PAI 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe.	Reportable: Si;
FJ2589-16	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Black glue strips 2				0.18%	PAI 80% Acrylic 20%	Main: Si S Ca; Other: P Cl K Ti Fe Co; Trace: Cr Mn Ni Cu Zn Ta W.	Reportable: Fe Co Si P;
FJ2589-17	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Black glue strip 3				0.07%	Silicone 60% PET 20% Acrylic 20%	Other: Si P S Cl Ca Fe; Trace: K Zn.	Reportable: Fe;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2589-18	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Black glue strips 4				0.10%	PAI 80% Acrylic 20%	Main: Si Ca; Other: P S Cl K Ti Fe Co; Trace: Cr Mn Ni Cu Zn Ta W.	Reportable: Fe Co Si P;
FJ2589-19	22-188 Motorola, Smartphone Model #XT2251 series, Battery 1, Flex				1.86%		See x,y-Scan Results in Chapter 4. Main: Al P Ni Cu; Other: Si S Cl K Ca Ti Cr Fe Zn Zr Sn Ba; Trace: Mn Sr Y Nb Mo Ag Pb.	Reportable: Al Cr Fe Cu Zn Sn Ba Si P; **Controlled:** Ni **Pb.**
FJ2590-00	22-188 Motorola, Smartphone Model #XT2251 series, Thermal paste 1-4		0.463	0.23%				
FJ2590-01	22-188 Motorola, Smartphone Model #XT2251 series, Thermal paste 1+2+4				62.63%	Silicone	Main: Al Si Ca; Other: P S Cl Ti Fe Co Zn; Trace: V Cr Mn Ni Ga Sr W.	Reportable: Al Fe Co Si P;
FJ2590-02	22-188 Motorola, Smartphone Model #XT2251 series, Thermal paste 3				37.37%	SIlicone	Main: Al Si Zn; Other: P S Cl Ca Fe Ta; Trace: Ti V Mn Ni Ga Hf.	Reportable: Al Fe Zn Ta Si P;
FJ2591-00	22-188 Motorola, Smartphone Model #XT2251 series, Metallic shock pads 1-7		0.028	0.01%				
FJ2591-01	22-188 Motorola, Smartphone Model #XT2251 series, Metallic shock pads 1				3.57%	Acrylic	Other: Si P S Cl Ca Ni Cu; Trace: K Ti Fe Co Sn Hf Ta.	Reportable: Co Cu; Controlled: Ni.
FJ2591-02	22-188 Motorola, Smartphone Model #XT2251 series, Metallic shock pads 2+3				28.57%	PBT 80% Acrylic 20%	Other: Si P S Cl Ca Co Ni Cu Hf Ta; Trace: K Ti Fe Zn W.	Reportable: Co Cu Ta; Controlled: Ni.

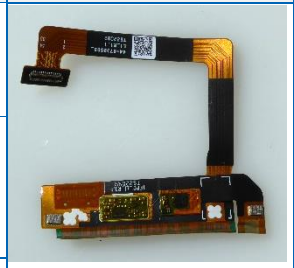
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2591-03	22-188 Motorola, Smartphone Model #XT2251 series, Metallic shock pads 4+5+6				46.43%	PBT 80% Acrylic 20%	Main: Ni Cu; Other: Si P S Cl Ca Co Hf Ta; Trace: K Ti Fe Zn Sn W.	Reportable: Co Cu Ta; Controlled: Ni.
FJ2591-04	22-188 Motorola, Smartphone Model #XT2251 series, Metallic shock pads 7				21.43%	PET 60% PUR 20% Acrylic 20%	Other: Si P S Cl Ca Co Ni Cu Hf; Trace: K Ti Fe Zn Ta W.	Reportable: Co Cu; Controlled: Ni.
FJ2592-00	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB		3.184	1.60%				
FJ2592-01	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB				76.51%		See x,y-Scan results in Chapter 4.	**Controlled: Pb.**
FJ2592-02	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Metal shielding 1				5.72%		Main: Cr Mn Fe Ni; Other: Al P S V Co Cu Mo Sn; Trace: .	Reportable: Al Cr Fe Co Cu Sn; Controlled: Ni.
FJ2592-03	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Metal shielding 2				4.74%		Main: Ni Cu Zn Sn; Other: Al P S Ti Cr Mn Fe Ag Hf; Trace: V.	Reportable: Cr Fe Cu Zn Ag Sn; Controlled: Ni.
FJ2592-04	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Metal shielding 3				3.77%		Main: Ni Cu Zn; Other: Al P S Mn Fe Sn Hf; Trace: Te.	Reportable: Fe Cu Zn Sn; Controlled: Ni.
FJ2592-05	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Metal shielding 4				1.66%		Main: P S Ni Cu Zn Sn; Other: Al Cr Mn Fe Ag; Trace: .	Reportable: Cr Fe Cu Zn Ag Sn; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2592-06	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Metal clamp 1				1.22%		Main: P S Cr Mn Fe Ni; Other: Al V Co Cu Mo W; Trace: .	Reportable: Cr Fe Co Cu W; Controlled: Ni.
FJ2592-07	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Metal shielding 5				0.53%		Main: P S Ni Cu Sn; Other: Al; Trace: .	Reportable: Cu Sn; Controlled: Ni.
FJ2592-08	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Metal shielding 6				0.69%		Main: P S Ni Cu Sn; Other: Al Fe Au; Trace: .	Reportable: Fe Cu Sn Au; Controlled: Ni.
FJ2592-09	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Contacts 1				1.01%		Main: P S Ni Cu Sn; Other: Al Au; Trace: .	Reportable: Cu Sn Au; Controlled: Ni.
FJ2592-10	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Contact 2				0.22%		Main: P S Ni Cu Sn Au; Other: Al; Trace: .	Reportable: Cu Sn Au; Controlled: Ni.
FJ2592-11	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Metal shielding 7				0.38%		Main: P S Ni Cu Zn; Other: Al Sn Sb; Trace: Fe.	Reportable: Cu Zn Sn Sb; Controlled: Ni.
FJ2592-12	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Metal clamp 2				0.60%		Main: P S Cr Mn Fe Ni; Other: Al V Co Cu W; Trace: .	Reportable: Cr Fe Co Cu W; Controlled: Ni.

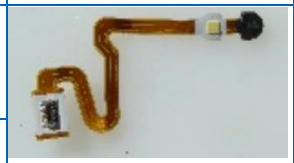
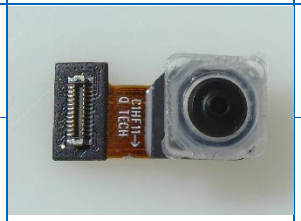
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2592-13	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Black plastic part				1.54%	PE-GF	Main: Al Si S K Ca; Other: P Cl Ti Fe Rb Sr; Trace: V Cr Mn Ni Cu Zn Ga Sn Ta W.	Reportable: Al Fe Rb Si P;
FJ2592-14	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Black rubber part 1				1.13%	Silicone	Main: Si S; Other: P Cl K Ca Fe Zn; Trace: Ti Cr Ni Zr Mo Ta W.	Reportable: Fe Si P;
FJ2592-15	22-188 Motorola, Smartphone Model #XT2251 series, Lightning jack/SIM Card PWB, Black rubber part 2				0.28%	Silicone	Other: Si P S Cl Ca; Trace: Fe.	Reportable: Si;
FJ2593-00	22-188 Motorola, Smartphone Model #XT2251 series, Vibra call		1.635	0.82%				
FJ2593-01	22-188 Motorola, Smartphone Model #XT2251 series, Vibra call, Metal housing 1				15.66%		Main: Cr Fe; Other: Al P S V Mn Co Ni Cu; Trace: .	Reportable: Cr Fe Co; Controlled: Ni.
FJ2593-02	22-188 Motorola, Smartphone Model #XT2251 series, Vibra call, Metal housing 2				5.50%		Main: Cr Fe; Other: Al P S V Mn Co Ni Cu; Trace: .	Reportable: Al Cr Fe Co; Controlled: Ni.
FJ2593-03	22-188 Motorola, Smartphone Model #XT2251 series, Vibra call, Copper wire				1.65%		Main: P S Cu; Other: Al Cr; Trace: .	Reportable: Al Cr Cu;
FJ2593-04	22-188 Motorola, Smartphone Model #XT2251 series, Vibra call, Metal parts				2.20%		Main: P S Cr Fe Ni; Other: Al V Mn Co Cu Mo; Trace: .	Reportable: Cr Fe Co Cu; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2593-05	22-188 Motorola, Smartphone Model #XT2251 series, Vibra call, Metal housing 3				67.99%		Main: P S Ni Cu W Au; Other: Al Cr Fe Co Zn Ga; Trace: .	Reportable: Cr Fe Co Cu Zn W Au; Controlled: Ni.
FJ2593-06	22-188 Motorola, Smartphone Model #XT2251 series, Vibra call, Magnet				6.44%		Main: Al P S Fe Ni Cu Zn; Other: Cr Co Ta; Trace: .	Reportable: Al Cr Fe Co Cu Zn Ta; Controlled: Ni.
FJ2593-07	22-188 Motorola, Smartphone Model #XT2251 series, Vibra call, Black rubber parts				0.06%	SIlicone	Other: Si P S Cl Ca; Trace: K Fe Sn.	Reportable: Si;
FJ2593-08	22-188 Motorola, Smartphone Model #XT2251 series, Vibra call, Flex				0.49%		Main: Si Cu; Other: Al P S Cl K Ca Ti Cr Fe Co Ni Zr Sn; Trace: V Zn Nb Mo Ag W Au.	Reportable: Al Cr Fe Co Cu Sn Si; Controlled: Ni.
FJ2594-00	22-188 Motorola, Smartphone Model #XT2251 series, Black net 1+2, Black plastic glue strip 1+2, Metallic glue strip 1-3		0.159	0.08%				
FJ2594-01	22-188 Motorola, Smartphone Model #XT2251 series, Black net 1				10.69%	PUR	Main: Si S; Other: P Cl K Ca Ti Fe Zn; Trace: Cr Ni Cu Sn Ta W.	Reportable: Fe Zn Si P;
FJ2594-02	22-188 Motorola, Smartphone Model #XT2251 series, Black net 2				0.63%	SIlicone	Other: Si P S Cl Ca; Trace: K Ti Fe Sn.	Reportable: Si;
FJ2594-03	22-188 Motorola, Smartphone Model #XT2251 series, Black plastic glue strip 1				1.89%	PET 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Ti Fe.	Reportable: Si;
FJ2594-04	22-188 Motorola, Smartphone Model #XT2251 series, Black plastic glue strip 2				28.30%	PET 80% Acrylic 20%	Main: Si S; Other: P Cl K Ca Ti Fe; Trace: V Mn Ni Cu Zn Mo Ta W.	Reportable: Fe Si P;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2594-05	22-188 Motorola, Smartphone Model #XT2251 series, Metallic glue strip 1				3.14%	PBT 80% Acrylic 20%	Other: Si P S Cl Ca Co Ni Cu Hf Ta; Trace: K Ti Fe Zn Sn W.	Reportable: Co Cu Ta Si; Controlled: Ni.
FJ2594-06	22-188 Motorola, Smartphone Model #XT2251 series, Metallic glue strip 2				6.92%	PBT 80% Acrylic 20%	Main: Cu; Other: Si P S Cl Ca Co Ni Hf Ta; Trace: K Ti Fe Zn W.	Reportable: Co Cu Ta Si; Controlled: Ni.
FJ2594-07	22-188 Motorola, Smartphone Model #XT2251 series, Metallic glue strip 3				48.43%	PBT 80% Acrylic 20%	Main: Cu; Other: Si P S Cl Ca Co Ni Hf; Trace: K Ti Fe Zn Sn Ta W.	Reportable: Co Cu Si; Controlled: Ni.
FJ2595-00	22-188 Motorola, Smartphone Model #XT2251 series, Silver metal cover, Metal plate 1+2, Copper plate, Logo plate		5.480	2.76%				
FJ2595-01	22-188 Motorola, Smartphone Model #XT2251 series, Silver metal cover				15.97%		Main: Cr Mn Fe Ni; Other: Al P S V Co Cu Mo; Trace: .	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FJ2595-02	22-188 Motorola, Smartphone Model #XT2251 series, Metal plate 1+2				39.09%		Main: Al P S Mn Fe Cu Zn; Other: Ti V Cr Ni Ga Zr; Trace: As.	Reportable: Al Cr Fe Cu Zn;
FJ2595-03	22-188 Motorola, Smartphone Model #XT2251 series, Copper plate				7.99%		Main: Cu; Other: Al P S Hf; Trace: .	Reportable: Al Cu;
FJ2595-04	22-188 Motorola, Smartphone Model #XT2251 series, Logo plate				36.00%		Main: Al P S Fe; Other: Ti V Cr Mn Ni Cu Zn Ga; Trace: .	Reportable: Al Cr Fe Cu Zn; Controlled: Ni.
FJ2595-05	22-188 Motorola, Smartphone Model #XT2251 series, Black plastic parts				0.95%	PBT	Main: Si S; Other: P Cl K Ca Fe; Trace: Ti Cr Mn Ni Zn Ta W.	Reportable: Fe Si P;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2596-00	22-188 Motorola, Smartphone Model #XT2251 series, Quick view display flex		0.688	0.35%				
FJ2596-01	22-188 Motorola, Smartphone Model #XT2251 series, Quick view display flex, Black glue strip				1.74%	PET 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Ti Fe.	
FJ2596-02	22-188 Motorola, Smartphone Model #XT2251 series, Quick view display flex, Metallic shock pads				0.29%	PBT 50% PUR 50%	Other: Si P S Cl Ca Ni Cu; Trace: K Ti Fe Co Hf Ta.	Reportable: Co Cu; Controlled: Ni.
FJ2596-03	22-188 Motorola, Smartphone Model #XT2251 series, Quick view display flex, Clear glue strip				0.29%	PMMA 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe Sn Ba.	
FJ2596-04	22-188 Motorola, Smartphone Model #XT2251 series, Quick view display flex				97.67%		See x,y-Scan Results in Chapter 4. Main: Al Si Ni Cu; Other: P S Cl K Ca Ti Cr Zn Zr Sn Ba Au; Trace: Fe Ga Ge Y Nb Mo Ag I.	Reportable: Al Cr Cu Zn Sn Ba Au Si; **Controlled:** Ni **Pb.**
FJ2597-00	22-188 Motorola, Smartphone Model #XT2251 series, Backside glass with LCD		11.038	5.56%			Main: Al Si P K Zn; Other: Ca Ti Fe Sr Zr Mo Ag Sn Ba; Trace: Cl Mn Ga Rb Nb Hf Ta U.	Reportable: Al Fe Zn Ag Sn Ba Si P;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2598-00	22-188 Motorola, Smartphone Model #XT2251 series, Light guide, Black plastic part, Ceramic pin		0.285	0.14%				
FJ2598-01	22-188 Motorola, Smartphone Model #XT2251 series, Light guide				7.02%	PMMA	Main: Si S; Other: P Cl K Ca Fe; Trace: Ti Cr Mn Ni Zn Mo Ta W.	Reportable: Fe Si P;
FJ2598-02	22-188 Motorola, Smartphone Model #XT2251 series, Black plastic part,				68.07%	PC	Main: Si; Other: P S Cl K Ca Fe; Trace: Ti Ni Cu Zn Ta.	Reportable: Fe Si P;
FJ2598-03	22-188 Motorola, Smartphone Model #XT2251 series, Gray rubber part				21.40%	TPU	Other: Si P S Cl K Ca Ti Fe; Trace: V Cr Mn Ni Cu Zn Mo Ta.	Reportable: Fe Si P;
FJ2598-04	22-188 Motorola, Smartphone Model #XT2251 series, Ceramic pin				3.16%	PA	Other: Si P S Cl Ca; Trace: K Ti Fe Sn.	Reportable: Si;
FJ2598-05	22-188 Motorola, Smartphone Model #XT2251 series, Yellow rubber part				0.35%	Silicone	Other: Si P S Cl Ca; Trace: K Fe.	Reportable: Si;
FJ2599-00	22-188 Motorola, Smartphone Model #XT2251 series, Camera cover		1.348	0.68%				
FJ2599-01	22-188 Motorola, Smartphone Model #XT2251 series, Camera cover				83.16%		Main: Al P S; Other: Ti V Cr Fe Ni Cu Ga; Trace: .	Reportable: Al Cr Fe Cu; Controlled: Ni.
FJ2599-02	22-188 Motorola, Smartphone Model #XT2251 series, Camera cover, Glass plates				16.39%	PF 80% Acrylic 20%	Main: Al Si K; Other: P S Cl Ca Ti Cr Fe Sn; Trace: Ni Zr Ta.	Reportable: Al Cr Fe Sn Si P;

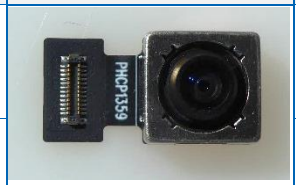
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2599-03	22-188 Motorola, Smartphone Model #XT2251 series, Camera cover, Black glues				0.45%	Acrylic	Other: Si P S Cl Ca Zn; Trace: K Fe Ba.	
FJ2600-00	22-188 Motorola, Smartphone Model #XT2251 series, Flashlight flex		0.074	0.04%				
FJ2600-01	22-188 Motorola, Smartphone Model #XT2251 series, Flashlight flex				94.59%		Main: Al P S Ti Fe Ni Cu; Other: Si Cl K Ca Cr Mn Zn Zr Ag Sn; Trace: Co Y Nb Mo I Cs Ba La Ce.	Reportable: Al Cr Fe Co Cu Ag Sn Si P; Controlled: Ni.
FJ2600-02	22-188 Motorola, Smartphone Model #XT2251 series, Flashlight flex, Black rubber part				4.05%	Silicone	Main: Si; Other: P S Cl Ca; Trace: K Fe.	Reportable: Si;
FJ2600-03	22-188 Motorola, Smartphone Model #XT2251 series, Flashlight flex, Metallic glue strip				1.35%	PET 80% Acrylic 20%	Other: Si P S Cl Ca Ni Cu; Trace: Ti Fe Co Sn Hf Ta.	Reportable: Co Cu;
FJ2601-00	22-188 Motorola, Smartphone Model #XT2251 series, Front camera		0.311	0.16%				
FJ2601-01	22-188 Motorola, Smartphone Model #XT2251 series, Front camera , Lenses				12.86%	Hard synthetic rubber	Main: Si S; Other: P Cl K Ca Ti Fe; Trace: Cr Ni Zn Ta.	Reportable: Fe Si P;
FJ2601-02	22-188 Motorola, Smartphone Model #XT2251 series, Front camera , Black plastic frame				12.54%	PA-GF	Main: Si S Ca Ti; Other: P Cl K V Mn Fe Cu Zn Ba; Trace: Cr Co Ni Sr Ta W.	Reportable: Fe Co Cu Zn Ba Si P;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2601-03	22-188 Motorola, Smartphone Model #XT2251 series, Front camera , Blue glass				6.11%	Glass	Other: Si P S Cl Ca Ti V Cu Zn Sn Ba; Trace: K Fe Ni Pr Nd.	Reportable: Cu Ba Si;
FJ2601-04	22-188 Motorola, Smartphone Model #XT2251 series, Front camera , Black plastic housing				14.79%	PC	Main: Si S; Other: P Cl K Ca Fe; Trace: Ti Cr Ni Zn Ta.	Reportable: Fe Si P;
FJ2601-05	22-188 Motorola, Smartphone Model #XT2251 series, Front camera , Black foil rings				0.32%	Polyester	Other: Si P S Cl Ca; Trace: K Cr Fe.	Reportable: Si;
FJ2601-06	22-188 Motorola, Smartphone Model #XT2251 series, Front camera , White plastic frame				17.68%	PC	Main: Si; Other: P S Cl K Ca Fe; Trace: Ti Cr Ni Cu Zn Zr Ta W.	Reportable: Fe Si P;
FJ2601-07	22-188 Motorola, Smartphone Model #XT2251 series, Front camera , White glue				0.32%	Acrylic	Other: Si P S Cl Ca; Trace: K Ti Fe.	
FJ2601-08	22-188 Motorola, Smartphone Model #XT2251 series, Front camera , Flex				35.05%		Main: Si S Ni Cu; Other: Al P Cl K Ca Ti Co Zr Pd Sn Ba Au; Trace: Cr Fe Zn Ge Sr Y Nb Ag I.	Reportable: Al Co Cu Pd Sn Ba Au Si P; Controlled: Ni.
FJ2601-09	22-188 Motorola, Smartphone Model #XT2251 series, Front camera , Black plastic ring				0.32%		Other: Si P S Cl Ca Cu Zn; Trace: K Fe Co Sn Hf Ta W.	Reportable: Co Cu Zn;

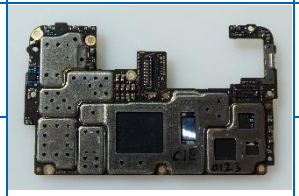
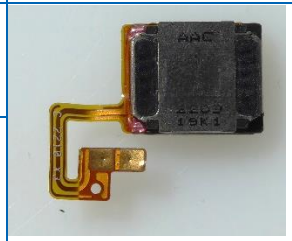
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2602-00	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1		2.405	1.21%				
FJ2602-01	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Metal frame 1				11.39%		Main: S Cr Mn Fe Ni Mo; Other: Al P V Co Cu W; Trace: .	Reportable: Cr Fe Co Cu W; Controlled: Ni.
FJ2602-02	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Metal frame 2				2.62%		Main: P S Cr Fe Ni; Other: Al V Mn Co Cu Mo; Trace: W.	Reportable: Cr Fe Co Cu; Controlled: Ni.
FJ2602-03	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Metal frame 3				1.37%		Main: P S Cr Fe Ni; Other: Al V Mn Cu Mo; Trace: .	Reportable: Cr Fe Cu; Controlled: Ni.
FJ2602-04	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Black plastic frame 1				5.74%	Polyester GF	Main: Al Si S K; Other: P Cl Ca Ti Fe Rb; Trace: V Cr Mn Ni Zn Ga Ba Ta W.	Reportable: Al Fe Rb Si P;
FJ2602-05	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Black plastic frame 2				1.08%	Polyester GF	Other: Al Si P S Cl K Ca Fe; Trace: Ti.	Reportable: Al Fe Si;
FJ2602-06	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Black plastic frame 3				1.54%	Polyester GF	Other: Al Si P S Cl K Ca Fe; Trace: Ti Sn.	Reportable: Al Fe Si;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2602-07	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Copper glue strip				1.33%	Metal 70% Acrylic 30%	Main: Cu; Other: Si P S Cl Ca Co Ni Zn Ta W; Trace: K Fe.	Reportable: Co Cu Ta W Si; Controlled: .
FJ2602-08	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Metal frame 4				4.20%		Main: Cr Fe; Other: Al P S V Mn Co Ni Cu; Trace: Mo.	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FJ2602-09	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Black plastic housing				11.27%	PC	Main: Si; Other: P S Cl K Ca Ti Fe; Trace: Ni Ta.	Reportable: Fe Si P;
FJ2602-10	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Lenses				5.65%	PC	Main: Si; Other: P S Cl K Ca Ti Fe; Trace: Cr Ni Ba Ta.	Reportable: Fe Si P;
FJ2602-11	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Magnet 1				4.16%		Main: S Fe Ni Cu; Other: Al P Co Mo Ta; Trace: V Te.	Reportable: Al Fe Co Cu Ta; Controlled: Ni.
FJ2602-12	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Magnet 2				4.82%		Main: S Fe Ni Cu; Other: Al P V Co Ta; Trace: Te.	Reportable: Al Fe Co Cu Ta; Controlled: Ni.
FJ2602-13	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Copper wire				3.04%		Main: P S Cu; Other: Al; Trace: Te.	Reportable: Cu;

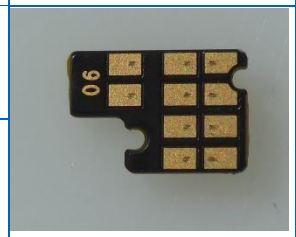
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2602-14	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Black metal ring				2.00%		Main: P S Cu Zn; Other: Al Bi; Trace: .	Reportable: Cu Zn Bi;
FJ2602-15	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Black plastic ring				0.46%	PC	Other: Si P S Cl Ca; Trace: Fe.	
FJ2602-16	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Black foil rings				0.04%	PET	Other: Si P S Cl Ca; Trace: K Cr Fe.	Reportable: Si;
FJ2602-17	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Black plastic frame 4				2.20%	PA	Main: Si S K Ca Ti; Other: P Cl V Mn Fe Cu Zn Ba Ta; Trace: Ni Sr Zr Nb Pr Nd.	Reportable: Fe Cu Zn Ba Ta Si P;
FJ2602-18	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Blue glass				1.37%		Other: Al Si P S Cl K Ca Ti V Cu Zn Ba; Trace: Fe Sn Pr Nd Hf Ta.	Reportable: Al Cu Zn Ba Si P;
FJ2602-19	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Flex 1				2.87%		Main: Al Si S Cu; Other: P Cl K Ca Ti Ni Sn Ba; Trace: Cr Zn Ge Nb Mo Ag I Cs La Ce W .	Reportable: Al Cu Sn Ba Si P; Controlled: Ni.
FJ2602-20	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 1, Flex 2				32.85%		Main: Al Si Cu; Other: P S Cl K Ca Ti Cr Mn Fe Co Ni Br Zr Mo Ag Sn Ba Ta Au; Trace: Sr Nb Pd W.	Reportable: Al Cr Fe Co Cu Ag Sn Ba Ta Au Si; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2603-00	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2		0.672	0.34%				
FJ2603-01	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Copper glue strip				3.27%	Metal 70% Acrylic 30%	Main: Cu; Other: Si P S Cl Ca Co Ni Hf Ta W; Trace: K Ti Fe Zn.	Reportable: Co Cu Ta W Si; Controlled: Ni.
FJ2603-02	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Metal frame				20.54%		Main: P S Cr Mn Fe Ni Mo; Other: Al V Co Cu Ta W; Trace: .	Reportable: Cr Fe Co Cu Ta W; Controlled: Ni.
FJ2603-03	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Black plastic housing				6.70%	PC	Main: Si S; Other: P Cl K Ca Ti Fe; Trace: Cr Mn Ni Ta.	Reportable: Fe Si P;
FJ2603-04	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Copper wire				1.79%		Main: P S Cu; Other: Al V; Trace: .	Reportable: Cu;
FJ2603-05	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Black plastic part				3.87%	Polyester GF	Other: Al Si P S Cl K Ca Ti V Fe Sn Ba; Trace: Ni Cu Sr.	Reportable: Al Fe Sn Ba Si;
FJ2603-06	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Magnet				9.23%		Main: Al P S Fe Ni Cu; Other: V Mo Ta; Trace: .	Reportable: Al Fe Cu Ta; Controlled: Ni.
FJ2603-07	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Black plastic frame				6.10%	Polyester GF	Main: Si S Ca; Other: P Cl K Ti V Fe Sr Ba; Trace: Ni Zn Rb Mo Ta.	Reportable: Fe Ba Si P;

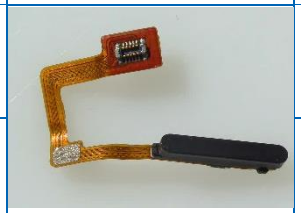
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2603-08	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Lenses				10.42%	Hard synthetic rubber	Main: Si S; Other: P Cl K Ca Ti Fe; Trace: Cr Ni Ta.	Reportable: Fe Si P;
FJ2603-09	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Metal part 1				1.34%		Main: P S Ni Cu Sn; Other: Al Mn Fe; Trace: .	Reportable: Fe Cu Sn; Controlled: Ni.
FJ2603-10	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Metal part 2				1.04%		Main: P S Ni Cu Zn; Other: Al Fe Sn; Trace: Te.	Reportable: Fe Cu Zn Sn; Controlled: Ni.
FJ2603-11	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Metal part 3				0.15%		Main: P S Ni Cu Sn; Other: Al Fe Ta; Trace: .	Reportable: Fe Cu Sn Ta; Controlled: Ni.
FJ2603-12	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Black foil rings				0.15%	PET	Other: Si P S Cl Ca; Trace: K Ti Cr Fe.	Reportable: Si;
FJ2603-13	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Black plastic frame				8.04%	Polyester GF	Main: Si S Ca Ti; Other: Al P Cl K V Mn Fe Cu Zn Ba; Trace: Ni Sr Y Nb Mo Hf Ta W.	Reportable: Fe Cu Zn Ba Si P;
FJ2603-14	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Blue glass				1.79%		Other: Si P S Cl Ca Ti V Cu Zn Ba; Trace: K Fe Pr Nd.	Reportable: Cu Zn Ba Si;

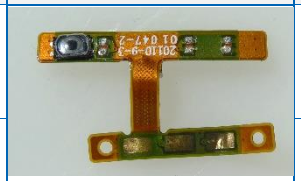
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2603-15	22-188 Motorola, Smartphone Model #XT2251 series, Backside camera 2, Flex				25.60%		Main: Si P S Ni Cu; Other: Al Cl K Ca Ti Co Sr Zr Pd Sn Ba Au; Trace: Zn Ge Y Nb Ag In I Ce .	Reportable: Al Co Cu Pd Sn Ba Au Si P; Controlled: Ni.
FJ2604-00	22-188 Motorola, Smartphone Model #XT2251 series, Main PWB		13.055	6.58%				
FJ2604-01	22-188 Motorola, Smartphone Model #XT2251 series, Main PWB, Metal shielding 1				7.42%		Main: Ni Cu Zn Sn; Other: Al P S Cr Mn Fe Ag Hf; Trace: Ti.	Reportable: Al Cr Fe Cu Zn Ag Sn; Controlled: Ni.
FJ2604-02	22-188 Motorola, Smartphone Model #XT2251 series, Main PWB, Metal shielding 2				20.88%		Main: P S Ni Cu Zn Sn; Other: Al Cr Mn Fe Ag Hf; Trace: .	Reportable: Al Cr Fe Cu Zn Ag Sn; Controlled: Ni.
FJ2604-03	22-188 Motorola, Smartphone Model #XT2251 series, Main PWB, Metal shielding 3				0.18%		Main: P S Ni Cu Zn Sn; Other: Al Sb; Trace: Se Te.	Reportable: Cu Zn Sn Sb; Controlled: Ni.
FJ2604-04	22-188 Motorola, Smartphone Model #XT2251 series, Main PWB				71.52%		See x,y-Scan Results in Chapter 4.	**Controlled: Pb.**
FJ2605-00	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker		0.970	0.49%				
FJ2605-01	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Metal housing 1				14.12%		Main: Cr Mn Fe Ni; Other: Al P S V Co Cu Zn As Mo; Trace: .	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni As.
FJ2605-02	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Metal housing 2				26.19%		Main: P Fe Ni; Other: Al S Mn Co Bi; Trace: Cr.	Reportable: Al Fe Co Bi; Controlled: Ni.

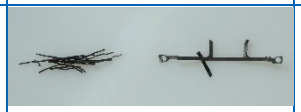
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2605-03	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Metal frame				7.94%		Main: P S Fe Ni; Other: Al Mn Co; Trace: Cr.	Reportable: Fe Co; Controlled: Ni.
FJ2605-04	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Copper wire				3.40%		Main: P S Cu; Other: Al Sn; Trace: .	Reportable: Cu Sn;
FJ2605-05	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Black glue strip				0.31%	PET 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe Sn.	
FJ2605-06	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Black net 1				0.10%	PET	Other: Si P S Cl Ca Ti; Trace: K Fe Sn.	
FJ2605-07	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Black net 2				0.10%	PET 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Ti Fe Ni Sn.	
FJ2605-08	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Magnets 1				18.66%		Main: Fe Zn; Other: Al P S V Cr Co Cu Zr Mo; Trace: Mn Ga.	Reportable: Cr Fe Co Cu Zn;
FJ2605-09	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Membrane				1.55%	Metal 60% NBR 30% TPE 10%	Main: Al; Other: Si P S Cl Ca Fe; Trace: K Ti Cu.	Reportable: Al Fe Si;
FJ2605-10	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Magnet 2				15.05%		Main: Al P S Fe Zn; Other: Cr Co Mo W; Trace: .	Reportable: Al Cr Fe Co Zn W;
FJ2605-11	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Metal plate				5.77%		Main: P S Fe Ni; Other: Al Cr Mn Co Zn; Trace: V Mo Bi.	Reportable: Cr Fe Co Zn; Controlled: Ni.

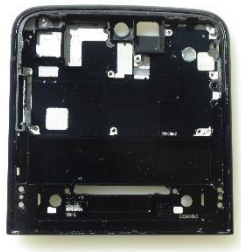
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2605-12	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Black plastic frame				3.51%	PA	Main: Si S Ca; Other: P Cl K Ti Fe; Trace: V Cr Mn Ni Zn Sr Y Zr Ta.	Reportable: Fe Si P;
FJ2605-13	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Metal parts				0.31%		Main: Al P S Fe; Other: V Cr Cu Ta; Trace: .	Reportable: Al Cr Fe Cu Ta;
FJ2605-14	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Pink rubber part				0.10%	PUR	Other: Si P S Cl Ca; Trace: K Fe Sn.	Reportable: Si;
FJ2605-15	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Clear glue strip				0.10%	PET 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe Sn.	
FJ2605-16	22-188 Motorola, Smartphone Model #XT2251 series, Top speaker, Flex				2.78%		Main: Al P S Ni Cu; Other: Si Cl K Ca Zr Sn Au; Trace: Ti Cr Co Zn Ge Nb Mo Ba La.	Reportable: Al Co Cu Sn Au Si P; Controlled: Ni.
FJ2606-00	22-188 Motorola, Smartphone Model #XT2251 series, Front flashlight PWB		0.086	0.04%				
FJ2606-01	22-188 Motorola, Smartphone Model #XT2251 series, Front flashlight PWB				93.02%		Main: Si P S Ni Cu; Other: Al Cl K Ca Ti Sr Sn Ba Au; Trace: Zr Nb Pd I.	Reportable: Al Cu Sn Ba Au Si P; Controlled: Ni.
FJ2606-02	22-188 Motorola, Smartphone Model #XT2251 series, Front flashlight PWB, Black rubber cover				6.98%	Silicone	Other: Si P S Cl Ca; Trace: K Fe.	Reportable: Si;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2607-00	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2		10.054	5.06%				
FJ2607-01	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Flex				2.22%		See x,y-Scan Results in Chapter 4. Main: S Cu; Other: Al Si P Cl K Ca Ti Cr Fe Ni Sr Zr Ag Sn Ba; Trace: Zn Y Nb Mo W.	Reportable: Al Cr Fe Cu Ag Sn Ba Si P; **Controlled: Pb.**
FJ2607-02	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Black outer foil strip				1.21%	PAI 77% Acrylic 20% PMMA 3%	Other: Si P S Cl K Ca Ti; Trace: Fe Sn.	Reportable: Si;
FJ2607-03	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Black glue strip				0.06%	Silicone 60% PET 20% Acrylic 20%	Other: Si P S Cl Ca Fe; Trace: K Cr Zn Sn.	Reportable: Fe;
FJ2607-04	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Outer cover				4.49%		Main: Al P S Cr Fe Ni Cu; Other: Ti V Mn Co Ga Mo; Trace: Te.	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FJ2607-05	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Green glue strips 1				0.33%	PET 80% Acrylic 20%	Other: Si P S Cl Ca Ti Cr Fe Co Ni Cu Zn; Trace: Al K Mn Sn.	Reportable: Cr Fe Co Zn; Controlled: Ni.
FJ2607-06	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, green/Black glue strip				0.44%	PET 80% Acrylic 20%	Main: Co; Other: Al P S Cl Ca Ti Cr Mn Fe Ni Cu Zn Ta; Trace: K V Y Zr Mo Sn Hf W.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.
FJ2607-07	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Green glue strips 2				0.25%	PET 80% Acrylic 20%	Other: Al P S Cl Ca Ti Cr Fe Co Ni Cu Zn; Trace: K Mn Mo Sn Ta.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.
FJ2607-08	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Green glue strips 3				0.07%	PET 80% Acrylic 20%	Other: P S Cl Ca Ti Cr Fe Co Ni Zn; Trace: K Mn Cu Sn.	Reportable: Cr Fe Co Zn; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2607-09	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Contact 1				0.35%		Main: Al P S Fe Ni; Other: V Cr Co Cu Ga Ta W; Trace: .	Reportable: Al Cr Fe Co Cu Ta W; Controlled: Ni.
FJ2607-10	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Contact 2				0.47%		Main: P S Ni Cu; Other: Al Ti Cr Fe; Trace: .	Reportable: Cr Fe Cu; Controlled: Ni.
FJ2607-11	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, White foil				6.31%	PE	Main: Al; Other: Si P S Cl Ca Co Cu; Trace: K Ti Fe Hf Ta.	Reportable: Al Co Cu P;
FJ2607-12	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Silver foil				8.11%		Main: Al P Co; Other: S Ti V Fe Cu Ga Zr; Trace: Mn.	Reportable: Al Fe Co Cu;
FJ2607-13	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Copper foil				9.92%		Main: Cu Hf; Other: Al P S Cr Co; Trace: V.	Reportable: Al Cr Co Cu;
FJ2607-14	22-188 Motorola, Smartphone Model #XT2251 series, Battery 2, Carbon coating				65.78%		Main: Co; Other: Al Si P S Cl Ca Cu; Trace: Ti Fe Ni Y Sn Hf Ta.	Reportable: Al Co Cu;
FJ2608-00	22-188 Motorola, Smartphone Model #XT2251 series, Power button flex		0.233	0.12%				
FJ2608-01	22-188 Motorola, Smartphone Model #XT2251 series, Power button flex				99.57%		Main: S Fe Cu; Other: Al Si P Cl K Ca Ti Cr Co Ni Sr Zr Ag Sn Ba; Trace: V Mn Zn Br Mo I W.	Reportable: Al Cr Fe Co Cu Ag Sn Ba Si P; Controlled: Ni.
FJ2608-02	22-188 Motorola, Smartphone Model #XT2251 series, Power button flex, Black glue				0.43%	Acrylic	Other: Si P S Cl Ca Ni Cu; Trace: Fe Co.	Reportable: Co Cu;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2609-00	22-188 Motorola, Smartphone Model #XT2251 series, Volume button flex		0.075	0.04%				
FJ2609-01	22-188 Motorola, Smartphone Model #XT2251 series, Volume button flex, Metallic glue strip				1.33%	PET 80% Acrylic 20%	Other: Si P S Ca Ni Cu; Trace: Cl K Ti Fe Co Sn Hf Ta.	Reportable: Co Cu; Controlled: Ni.
FJ2609-02	22-188 Motorola, Smartphone Model #XT2251 series, Volume button flex, White glue				1.33%	Acrylic	Other: Si P S Cl Ca; Trace: K Fe Sn.	
FJ2609-03	22-188 Motorola, Smartphone Model #XT2251 series, Volume button flex				97.33%		Main: S Cr Fe; Other: Al Si P Cl K Ca V Mn Co Ni Cu Sn; Trace: Zr Mo I Ba.	Reportable: Al Cr Fe Co Cu Sn Si; Controlled: Ni.
FJ2610-00	22-188 Motorola, Smartphone Model #XT2251 series, Yellow rubber part 1+2, Red rubber part 1+2, Black rubber		0.458	0.23%				
FJ2610-01	22-188 Motorola, Smartphone Model #XT2251 series, Yellow rubber part 1				1.53%	Silicone	Other: Si P S Cl Ca; Trace: Ti Fe.	Reportable: Si;
FJ2610-02	22-188 Motorola, Smartphone Model #XT2251 series, Yellow rubber part 2				67.03%	Silicone	Main: Si; Other: P S Cl Ca Ti Fe Zn; Trace: K Ni Cu Zr Mo Ta.	Reportable: Fe Si P;
FJ2610-03	22-188 Motorola, Smartphone Model #XT2251 series, Red rubber part 1				14.41%	Silicone	Main: Si S; Other: P Cl Ca Ti Fe; Trace: K Cr Ni Cu Zn Zr Ta W.	Reportable: Fe Si P;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2610-04	22-188 Motorola, Smartphone Model #XT2251 series, Red rubber part 2				17.03%	Silicone	Main: Si S; Other: P Cl K Ca Ti Fe Zn; Trace: Cr Ni Ba Ta.	Reportable: Fe Si P;
FJ2611-00	22-188 Motorola, Smartphone Model #XT2251 series, Volume buttons		0.139	0.07%				
FJ2611-01	22-188 Motorola, Smartphone Model #XT2251 series, Volume buttons				76.98%		Main: Al P S Cu; Other: V Cr Mn Fe Ni Zn Ga; Trace: .	Reportable: Al Cr Fe Cu; Controlled: Ni.
FJ2611-02	22-188 Motorola, Smartphone Model #XT2251 series, Volume buttons, Black rubber parts				23.02%	TPU	Main: Cr Fe; Other: Al P S Cl Ca Mn Ni; Trace: K Ti V Co Cu Sn Ta.	Reportable: Al Cr Fe Co; Controlled: Ni.
FJ2612-00	22-188 Motorola, Smartphone Model #XT2251 series, Front plastic frame		1.408	0.71%		PC 80% PMMA 20%	Main: Cr Fe; Other: Al P S Cl Ca Mn Ni; Trace: K Ti V Co Cu Sn Ta.	Reportable: Al Cr Fe Co; Controlled: Ni.
FJ2613-00	22-188 Motorola, Smartphone Model #XT2251 series, Black rubber strip 1+2, Gray glue strip		0.087	0.04%				
FJ2613-01	22-188 Motorola, Smartphone Model #XT2251 series, Black rubber strip 1+2				67.82%	PUR	Main: Cr Fe; Other: Al P S Cl Ca Mn Ni; Trace: K Ti V Co Cu Sn Ta.	Reportable: Al Cr Fe Co; Controlled: Ni.
FJ2613-02	22-188 Motorola, Smartphone Model #XT2251 series, Gray glue strip				32.18%	PUR 60% PET 20% Acrylic 20%	Main: Cr Fe; Other: Al P S Cl Ca Mn Ni; Trace: K Ti V Co Cu Sn Ta.	Reportable: Al Cr Fe Co; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2614-00	22-188 Motorola, Smartphone Model #XT2251 series, Upper metal bracket		20.009	10.08%				
FJ2614-01	22-188 Motorola, Smartphone Model #XT2251 series, Upper metal bracket, Metal part				87.65%		Main: S Cr Mn Fe Ni; Other: Al P Ti V Co Cu Zn Zr W; Trace: As Mo Sn.	Reportable: Al Cr Fe Co Cu Zn W; Controlled: Ni.
FJ2614-02	22-188 Motorola, Smartphone Model #XT2251 series, Upper metal bracket, Black plastic part				8.94%	PBT	Main: Cr Fe; Other: Al P S Cl Ca Mn Ni Zr; Trace: K Ti V Co Cu Sn Ta.	Reportable: Al Cr Fe Co; Controlled: Ni.
FJ2614-03	22-188 Motorola, Smartphone Model #XT2251 series, Upper metal bracket, Magnets 1				2.12%		Main: Al Cr Mn Fe Ni; Other: P S Ti V Co Cu Sn Ta; Trace: As Mo Te.	Reportable: Al Cr Fe Co Cu Sn Ta; Controlled: Ni.
FJ2614-04	22-188 Motorola, Smartphone Model #XT2251 series, Upper metal bracket, Golden metal plates				0.20%		Main: Cr Mn Fe Ni Cu Sn; Other: Al P S Ti V Co Au; Trace: As Mo.	Reportable: Al Cr Fe Co Cu Sn Au; Controlled: Ni.
FJ2614-05	22-188 Motorola, Smartphone Model #XT2251 series, Upper metal bracket, Magnets 2				1.08%		Main: Al Cr Mn Fe Ni; Other: P S Ti V Co Cu As Sn Ta; Trace: Mo Te.	Reportable: Al Cr Fe Co Cu Sn Ta; Controlled: Ni As.
FJ2615-00	22-188 Motorola, Smartphone Model #XT2251 series, Lower metal bracket		22.639	11.40%				
FJ2615-01	22-188 Motorola, Smartphone Model #XT2251 series, Lower metal bracket, Metal part				89.70%		Main: Al Cr Mn Fe Ni Zn; Other: P S Ti V Co Cu As Zr; Trace: Mo W.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni As.

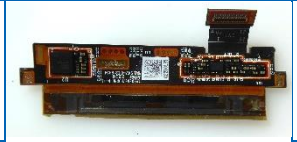
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2615-02	22-188 Motorola, Smartphone Model #XT2251 series, Lower metal bracket, Black plastic part				7.01%	PBT	Main: Si Ca; Other: Al P S Cl Ti Fe Cu Zr; Trace: K V Cr Mn Ni Zn Sr Y Mo Ba Hf Ta W.	Reportable: Al Fe Si P;
FJ2615-03	22-188 Motorola, Smartphone Model #XT2251 series, Lower metal bracket, Magnet 1				0.97%		Main: P S Ni Cu Sn Au; Other: Al; Trace: .	Reportable: Cu Sn Au; Controlled: Ni.
FJ2615-04	22-188 Motorola, Smartphone Model #XT2251 series, Lower metal bracket, Golden metal plates				0.06%		Main: S Fe Ni Cu Ta; Other: Al P V Cr Co; Trace: .	Reportable: Al Cr Fe Co Cu Ta; Controlled: Ni.
FJ2615-05	22-188 Motorola, Smartphone Model #XT2251 series, Lower metal bracket, Magnet 2				0.90%		Main: P S Fe Ni Cu Ta; Other: Al V Cr Co; Trace: .	Reportable: Cr Fe Co Cu Ta; Controlled: Ni.
FJ2615-06	22-188 Motorola, Smartphone Model #XT2251 series, Lower metal bracket, Magnet 3				1.36%		Main: S Fe Ni Cu Ta; Other: Al P Ti Cr Co Zn; Trace: V.	Reportable: Al Cr Fe Co Cu Zn Ta; Controlled: Ni.
FJ2616-00	22-188 Motorola, Smartphone Model #XT2251 series, Connection flex 1		1.685	0.85%				
FJ2616-01	22-188 Motorola, Smartphone Model #XT2251 series, Connection flex 1				99.11%		Main: Al Cu; Other: Si P S Cl Ca Cr Fe Co Ni Zn Zr Ag Sn Ba W; Trace: K Ti Mn Ga Y Nb Mo.	Reportable: Al Cr Fe Co Cu Zn Ag Ba W Si P; Controlled: Ni.
FJ2616-02	22-188 Motorola, Smartphone Model #XT2251 series, Connection flex 1, Black glue strip				0.06%	Silicone	Main: Si; Other: P S Cl Ca; Trace: K Ti Fe.	Reportable: Si;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2616-03	22-188 Motorola, Smartphone Model #XT2251 series, Connection flex 1, Black glue strip				0.83%	Acrylic	Other: Si P S Cl Ca Ni Cu Ta; Trace: K Ti Fe Co Hf W.	Reportable: Co Cu Ta; Controlled: Ni.
FJ2617-00	22-188 Motorola, Smartphone Model #XT2251 series, Silver connection cables		0.373	0.19%				
FJ2617-01	22-188 Motorola, Smartphone Model #XT2251 series, Silver connection cables, Gray cable jacket				11.80%	PTFE	Other: Si P S Cl Ca Cu; Trace: K Fe Sn.	Reportable: Cu;
FJ2617-02	22-188 Motorola, Smartphone Model #XT2251 series, Silver connection cables, Yellow cable jacket				17.96%	PTFE	Other: Si P S Ca Ti Fe; Trace: Cl.	Reportable: Fe;
FJ2617-03	22-188 Motorola, Smartphone Model #XT2251 series, Silver connection cables, Silver wire 1				46.11%		Main: P Cu Sn; Other: Al S Hf; Trace: .	Reportable: Cu Sn;
FJ2617-04	22-188 Motorola, Smartphone Model #XT2251 series, Silver connection cables, Silver wire 2				10.46%		Main: P S Cu Ag; Other: Al Sn; Trace: .	Reportable: Cu Ag Sn;
FJ2617-05	22-188 Motorola, Smartphone Model #XT2251 series, Silver connection cables, Silver metal parts				12.60%		Main: P S Ni Cu Sn; Other: Al Fe; Trace: Mo.	Reportable: Fe Cu Sn; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2617-06	22-188 Motorola, Smartphone Model #XT2251 series, Silver connection cables, Golden metal contact holders				0.54%		Main: P S Ni Cu Sn Au; Other: Al Ti Fe; Trace: .	Reportable: Fe Cu Sn Au; Controlled: Ni.
FJ2617-07	22-188 Motorola, Smartphone Model #XT2251 series, Silver connection cables,Blackm plastic insert				0.27%	PP	Other: Si P S Cl Ca; Trace: K Ti Fe Sn Au.	Reportable: Si;
FJ2617-08	22-188 Motorola, Smartphone Model #XT2251 series, Silver connection cables, Golden contacts				0.27%		Main: P S Ni Cu Sn Au; Other: Al; Trace: .	Reportable: Cu Sn Au; Controlled: Ni.
FJ2618-00	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge		23.663	11.92%				
FJ2618-01	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Silver screws				0.57%		Main: P S Fe Zn; Other: Al Cr Mn Co Ta W; Trace: V Cu.	Reportable: Cr Fe Co Zn Ta W;
FJ2618-02	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Black screws				0.70%		Main: P S Fe Zn; Other: Al Cr Mn Co Ta; Trace: Cu.	Reportable: Cr Fe Co Zn Ta;
FJ2618-03	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal pins				0.26%		Main: P S Cr Fe; Other: Al V Mn Ni Cu Mo Ta W; Trace: .	Reportable: Cr Fe Cu Ta W; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2618-04	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 1				0.09%		Main: P S Cr Fe Co Ni Mo; Other: Al Mn Cu; Trace: .	Reportable: Cr Fe Co Cu; Controlled: Ni.
FJ2618-05	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 2				0.58%		Main: P S Cr Fe; Other: Al V Mn Co Ni Cu Mo W; Trace: Ta.	Reportable: Cr Fe Co Cu W; Controlled: Ni.
FJ2618-06	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Springs				2.91%		Main: P S Fe; Other: Al Cr Mn Ni Cu Zn Ta W; Trace: V.	Reportable: Cr Fe Cu Zn Ta W; Controlled: Ni.
FJ2618-07	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Black metal clamps				1.73%		Main: P S Cr Fe; Other: Al Mn Co Ni Cu Nb Mo W; Trace: .	Reportable: Cr Fe Co Cu W; Controlled: Ni.
FJ2618-08	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 3				1.30%		Main: P S Cr Fe; Other: Al V Mn Co Ni Cu Nb Mo W; Trace: .	Reportable: Cr Fe Co Cu W; Controlled: Ni.
FJ2618-09	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 4				1.19%		Main: P S Cr Fe; Other: Al V Mn Co Ni Cu Nb Mo W; Trace: .	Reportable: Cr Fe Co Cu W; Controlled: Ni.
FJ2618-10	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 5				0.92%		Main: P S Cr Fe Ni Cu; Other: Al V Mn Co Nb Mo; Trace: .	Reportable: Cr Fe Co Cu; Controlled: Ni.
FJ2618-11	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 6				0.66%		Main: P S Cr Fe; Other: Al V Mn Co Ni Cu; Trace: .	Reportable: Cr Fe Co Cu; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2618-12	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 7				1.02%		Main: P S Cr Fe Ni Cu; Other: Al V Mn Co Nb Mo; Trace: .	Reportable: Cr Fe Co Cu; Controlled: Ni.
FJ2618-13	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 8				0.41%		Main: P S Cr Fe; Other: Al V Mn Co Ni Cu; Trace: Mo.	Reportable: Cr Fe Co Cu; Controlled: Ni.
FJ2618-14	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal plates 1				34.07%		Main: Cr Fe Ni Cu; Other: Al P S V Mn Co Nb Mo; Trace: .	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FJ2618-15	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Black metal parts				14.73%		Main: Cr Fe Ni Cu; Other: Al P S Mn Co Nb Mo; Trace: .	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FJ2618-16	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal plates 2				6.60%		Main: Al P S Mn Fe Cu Zn; Other: Ti V Cr Ni Ga Zr; Trace: As Sn.	Reportable: Al Cr Fe Cu Zn;
FJ2618-17	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 9				9.49%		Main: Cr Fe Ni Cu; Other: Al P S Mn Co Zn Nb Mo; Trace: Zr.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.
FJ2618-18	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal rods				3.58%		Main: S Cr Fe; Other: Al P V Mn Ni Cu Mo; Trace: .	Reportable: Cr Fe Cu; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2618-19	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 10				14.28%		Main: P S Cr Fe Ni Cu; Other: Al V Mn Co Nb Mo; Trace: .	Reportable: Cr Fe Co Cu; Controlled: Ni.
FJ2618-20	22-188 Motorola, Smartphone Model #XT2251 series, Geared hinge, Metal parts 11				4.92%		Main: Cr Fe Nb; Other: Al P S Mn Co Ni Cu Mo W; Trace: .	Reportable: Al Cr Fe Co Cu W; Controlled: Ni.
FJ2619-00	22-188 Motorola, Smartphone Model #XT2251 series, Display flex		2.134	1.07%				
FJ2619-01	22-188 Motorola, Smartphone Model #XT2251 series, Display flex				97.19%		See x,y-Scan Results in Chapter 4 Main: Al Si S Ti Cu; Other: P Cl Ca Cr Mn Fe Ni Zn Zr Mo Ag Sn Ba W Au; Trace: K Co Ga Ge Sr Nb Pd I La .	Reportable: Al Cr Fe Co Cu Zn Ag Sn Ba W Au Si; **Controlled:** Ni **Pb.**
FJ2619-02	22-188 Motorola, Smartphone Model #XT2251 series, Display flex, Metallic glue strip				2.81%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Si P S Cl Ca Ti Fe Co Hf Ta W; Trace: K Cr Zn Sn.	Reportable: Fe Co Cu Ta W Si; Controlled: Ni.
FJ2620-00	22-188 Motorola, Smartphone Model #XT2251 series, Display protection foil		1.059	0.53%		PET 77% Acrylic 20% PMMA 3%	Main: Al Si S; Other: P Cl K Ca Fe Zn; Trace: Ti Mn Ni Zr Mo Ta W.	Reportable: Al Fe Si P;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FJ2621-00	22-188 Motorola, Smartphone Model #XT2251 series, Display		16.832	8.48%				
FJ2621-01	22-188 Motorola, Smartphone Model #XT2251 series, Display, Metal plate				64.10%		Main: Cr Mn Fe Ni; Other: Al P S V Cu Mo W; Trace: Nb Ta.	Reportable: Al Cr Fe Cu W; Controlled: Ni.
FJ2621-02	22-188 Motorola, Smartphone Model #XT2251 series, Display front foil				20.16%	PET 70% Acrylic 20% PMMA 10%	Main: Al K; Other: Si P S Cl Ca Ti Fe Zr I Ba; Trace: V Mn Ni Rb Y Sn Hf Ta.	Reportable: Al Fe Ba Si P;
FJ2621-03	22-188 Motorola, Smartphone Model #XT2251 series, Display foil				10.83%	PAI 50% TPU 50%	Main: Al Si S Ti; Other: P Cl K Ca Fe Mo Ag; Trace: Cr Mn Ni In Ta W.	Reportable: Al Fe Ag Si P;
FJ2621-04	22-188 Motorola, Smartphone Model #XT2251 series, Display, Metal net				2.26%		Main: P Cr Mn Fe Ni; Other: Al S V Cu Mo; Trace: W.	Reportable: Cr Fe Cu; Controlled: Ni.
FJ2621-05	22-188 Motorola, Smartphone Model #XT2251 series, Display, Black glue 1				0.28%	PUR	Main: Si; Other: P S Cl K Ca Ti Cr Mn Fe Zn; Trace: Ni Cu Ag Ta W.	Reportable: Cr Fe Si P;
FJ2621-06	22-188 Motorola, Smartphone Model #XT2251 series, Display, Black glue 2				2.36%	PUR	Other: Si P S Cl K Ca Cr Mn Fe Ni; Trace: Ti V Cu Zn Sn Ta.	Reportable: Cr Fe Si;

[1)] Relevant compounds based on XRF Screening test results (selected chemical elements). For the speciation of the substances, further testing could be required.
, Cr and Pb are also REACH relevant substances
* Bromine detected: indicates potential presence of Brominated Flame Retardants
** Sample tested for CrVI by colorimetric method.

The determinable concentration of DEHP/BBP/DBP/DIBP may be > 0.1% by weight in homogeneous materials for material with a weight below 0.02 g.
Only confirmed positive findings of materials of concern are reported – other (RoHS) substances are below detection limits for each sample. Detection limits for single samples are available on request.

4 Results EDXRF Scan

Results x,y Scan Sample FJ2589-19 Top



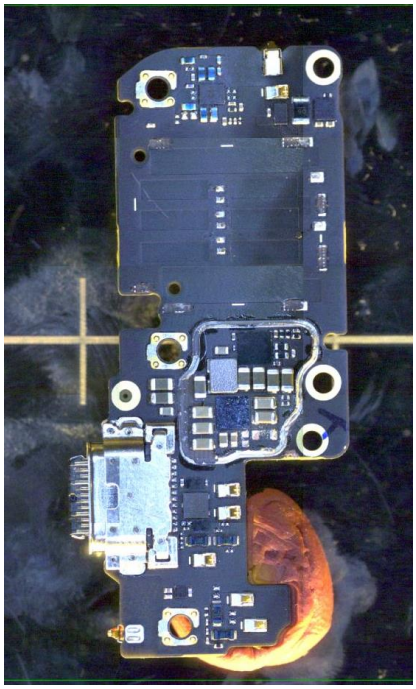
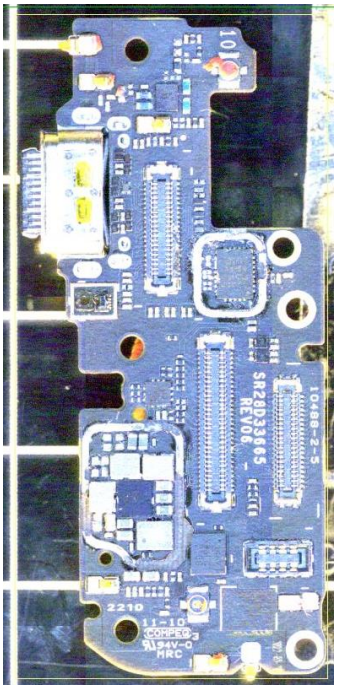
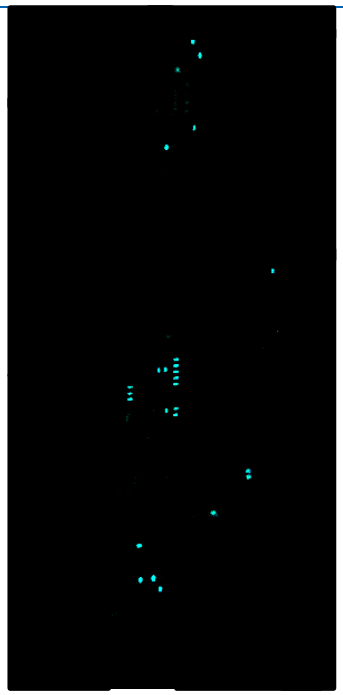
Bromine
Not detected
Lead


Results x,y Scan Sample FJ2589-19 Bottom

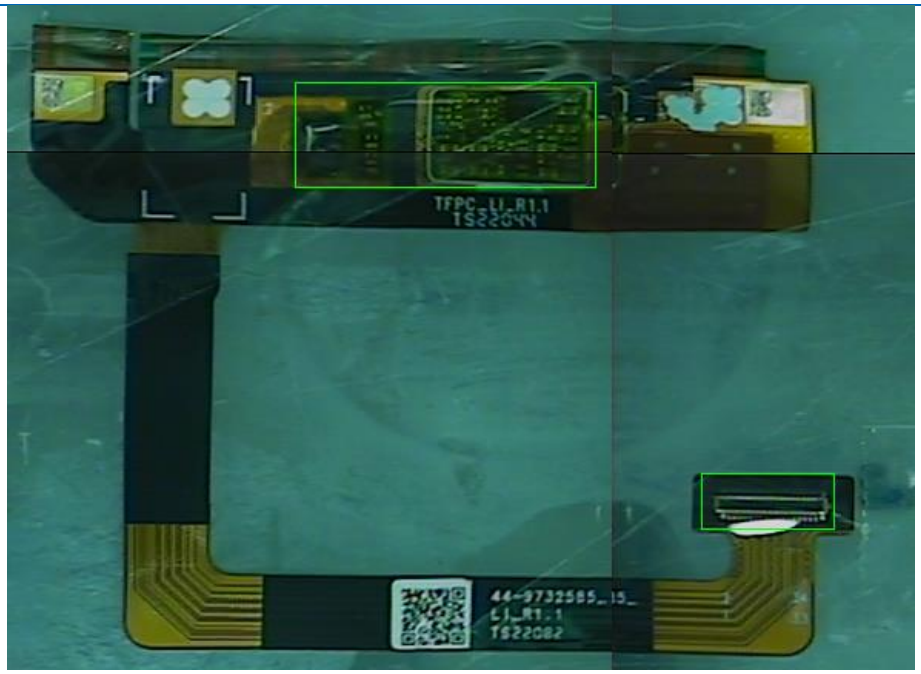


Bromine
Not detected
Lead


Results x,y Scan Sample FJ2592-01

	
Bromine	
Not detected	Not detected
Lead	
	

Results x,y Scan Sample FJ2596-04 Top



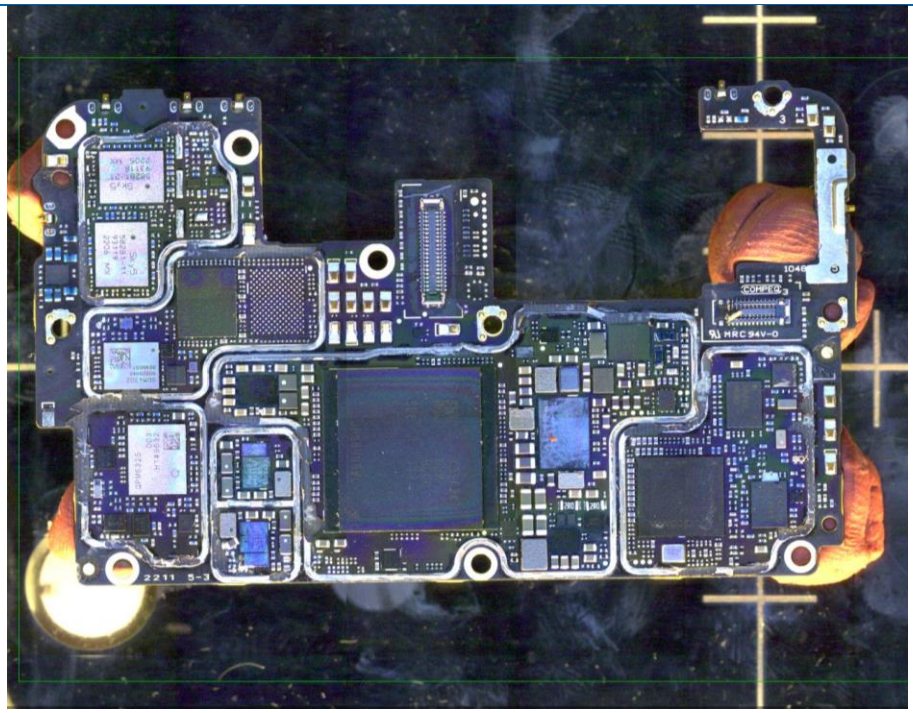
Bromine

Not detected

Lead



Results x,y Scan Sample FJ2604-04 Top



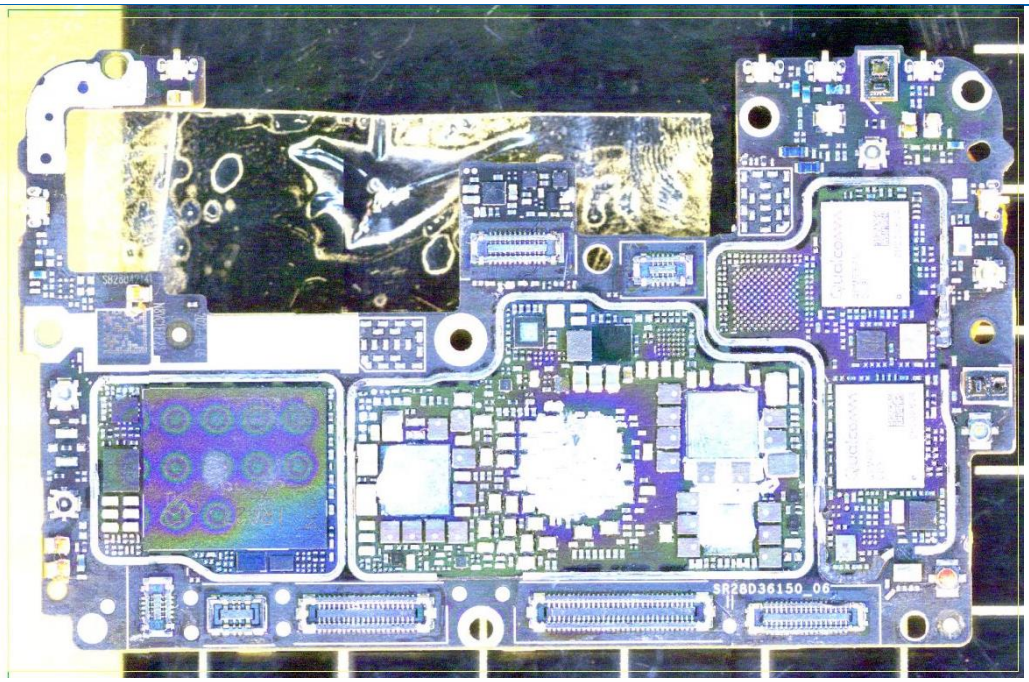
Bromine

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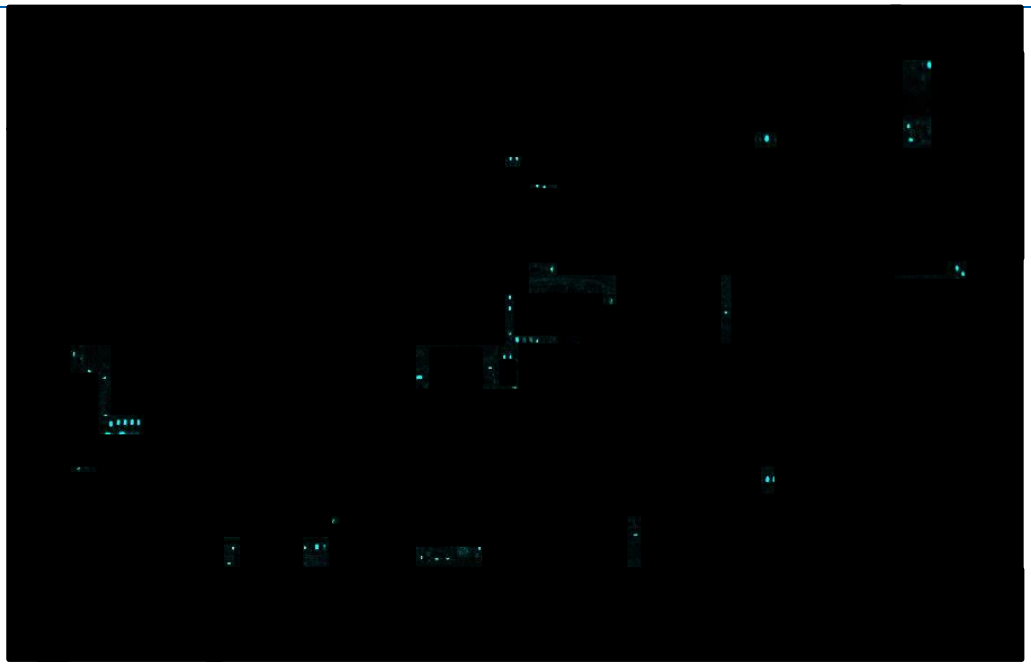
Lead



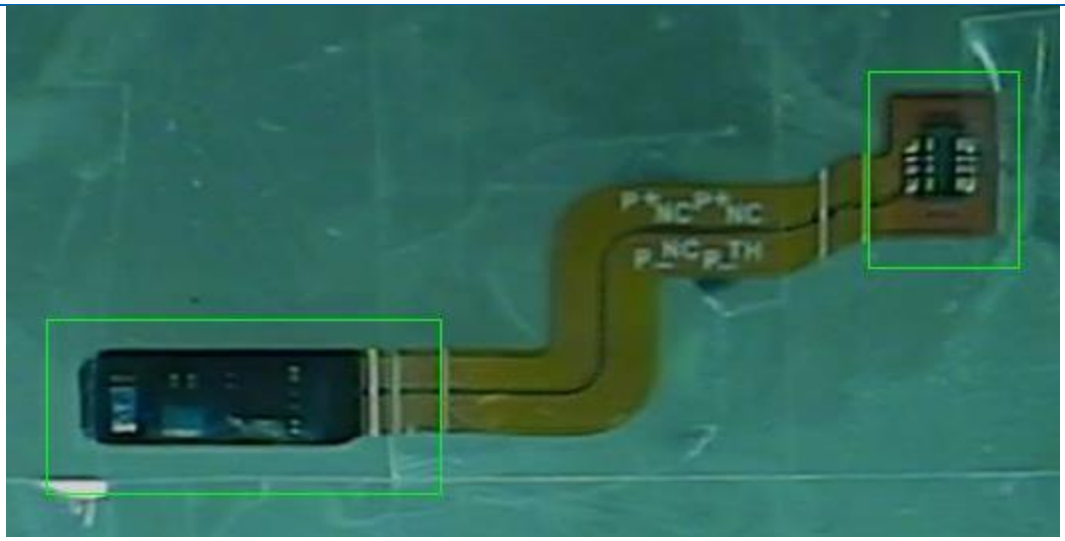
Results x,y Scan Sample FJ2604-04 Bottom



Bromine
Not detected
Lead



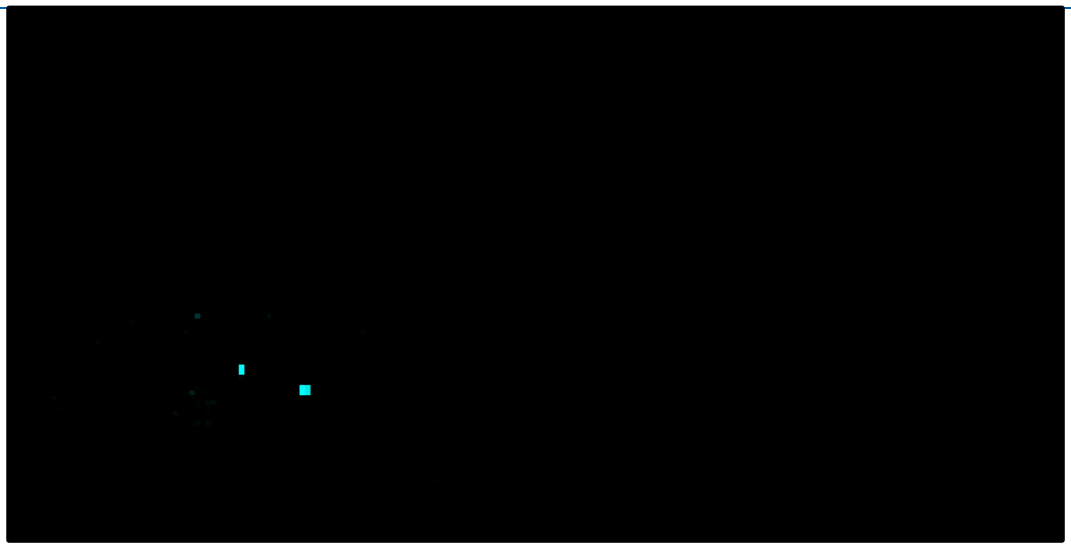
Results x,y Scan Sample FJ2607-01 Top



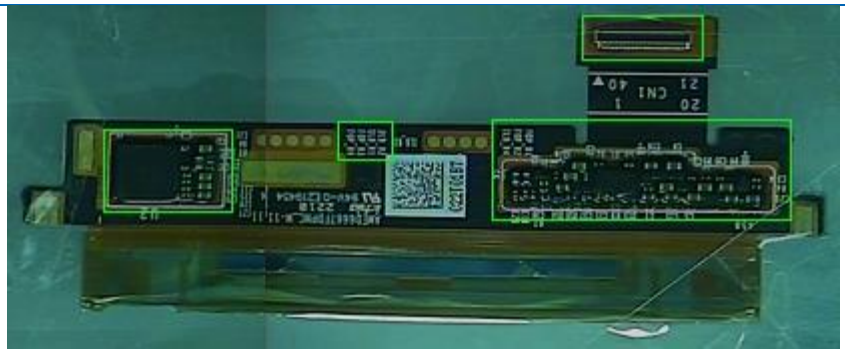
Bromine

Not detected

Lead



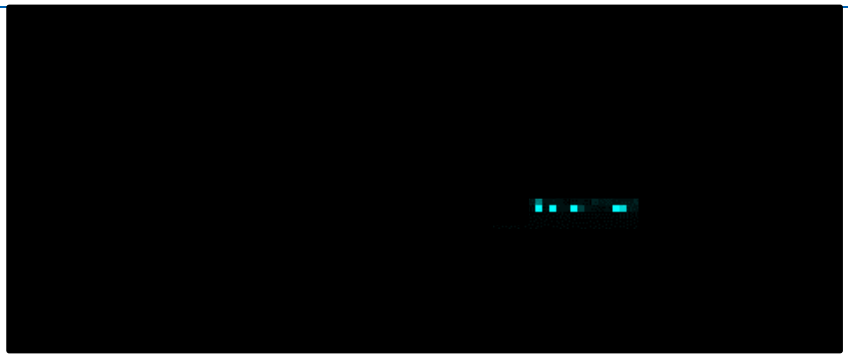
Results x,y Scan Sample FJ2619-01 Top



Bromine

Not detected

Lead



5 Summary REACH 1907/2006/EC screening results

According to §33 Reach information needs to be provided within the supply chain if the concentration of a SVHC substance calculated for the article is higher than 0.1 %. The table below summarizes the organic substances detected with concentrations > 0.1% calculated for the articles according to SVHC substance list dated January 17th 2022, Annex XIV List dated February 07th, 2020 and Annex XVII List dated December 15th, 2021.

Samples summarized in Chapter 7 were selected based on a risk assessment. The samples were investigated for selected organic parameters as listed in Chapters 5.2 and 5.3. The detectable concentration of REACH substances varies depending on the substance, the fraction composition and the sample weight.

For inorganic parameters please refer to Chapter 2 and Chapter 3. Chemical elements identified in the XRF Screening could represent REACH substances as listed in Chapters 5.2. and 5.3. For the speciation of these substances, further testing could be required.

5.1 Identified SVHC, Annex XIV and Annex XVII substances in Article

The following substances were detected in the samples.

Article	Sample Number	REACH SVHC Substance Detected	REACH Detected Annex XIV Substance	REACH Annex XVII Substance Detected*	Substance Concentration in Fraction[1] (% w/w)	Substance concentration in article[2] (% w/w)	SVHC > 0.1% Reporting required?[2] (Y/N/Risk)
22-188 Motorola, Smartphone Model #XT2251 series	FL1009	Phenanthrene	-	-	0.004	<0.001	N
		Fluoranthene	-	-	0.005	<0.001	N
		Pyrene	-	-	0.010	<0.001	N
	FL1010	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.295	<0.001	N[3]
	FL1011	-	-	Diisocyanates (Entry 74)	0.009	<0.001	NA
		-	-	Methylenediphenyl diisocyanate (MDI) (Entry 56)	0.020	<0.001	NA
	FL1012	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.140	<0.001	N[3]
		-	-	Diisocyanates (Entry 74)	0.011	<0.001	NA
	FL1013	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.168	<0.001	N[3]
	FL1014	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	-	0.001	<0.001	N
	FL1015	-	-	-			
	FL1016	-	-	Methylenediphenyl diisocyanate (MDI) (Entry 56)	0.115	<0.001	NA

Article	Sample Number	REACH SVHC Substance Detected	REACH Detected Annex XIV Substance	REACH Annex XVII Substance Detected*	Substance Concentration in Fraction[1)] (% w/w)	Substance concentration in article[2)] (% w/w)	SVHC > 0.1% Reporting required?[2)] (Y/N/Risk)
22-188 Motorola, Smartphone Model #XT2251 series	FL1017	-	-	Diisocyanates (Entry 74)	0.027	<0.001	NA
		-	-	Methylenediphenyl diisocyanate (MDI) (Entry 56)	0.054	<0.001	NA
	FL1018	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	-	0.050	<0.001	N
		-	-	Methylenediphenyl diisocyanate (MDI) (Entry 56)	0.018	<0.001	NA
	FL1019	-	-	Methylenediphenyl diisocyanate (MDI) (Entry 56)	0.003	<0.001	NA
	FL1020	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	-	0.010	<0.001	N
		-	-	Diisocyanates (Entry 74)	0.194	<0.001	NA
	FL1021	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	-	0.004	<0.001	N
		-	-	Diisocyanates (Entry 74)	0.048	<0.001	NA
	FL1022	-	-	Diisocyanates (Entry 74)	0.010	<0.001	NA
		-	-	Methylenediphenyl diisocyanate (MDI) (Entry 56)	0.050	<0.001	NA

Article	Sample Number	REACH SVHC Substance Detected	REACH Detected Annex XIV Substance	REACH Annex XVII Substance Detected*	Substance Concentration in Fraction[1)] (% w/w)	Substance concentration in article[2)] (% w/w)	SVHC > 0.1% Reporting required?[2)] (Y/N/Risk)
22-188 Motorola, Smartphone Model #XT2251 series	FL1023	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	-	0.005	<0.001	N
		-	-	Diisocyanates (Entry 74)	0.028	<0.001	NA
	FL1024	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	-	0.003	<0.001	N
		-	-	Diisocyanates (Entry 74)	0.062	<0.001	NA
	FL1025	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	-	0.008	<0.001	N
		-	-	Diisocyanates (Entry 74)	0.107	<0.001	NA
	FL1026	-	-	Diisocyanates (Entry 74)	0.003	<0.001	NA
		-	-	Methylenediphenyl diisocyanate (MDI) (Entry 56)	0.008	<0.001	NA
	FL1027	-	-	Diisocyanates (Entry 74)	0.026	<0.001	NA
		-	-	Methylenediphenyl diisocyanate (MDI) (Entry 56)	0.033	<0.001	NA
	FL1028	-	-	-			
	FL1029	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.492	0.007	N[3)]
	FL1030	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.167	0.026	N[3)]
	FL1031	-	-	-			

Article	Sample Number	REACH SVHC Substance Detected	REACH Detected Annex XIV Substance	REACH Annex XVII Substance Detected*	Substance Concentration in Fraction[1] (% w/w)	Substance concentration in article[2] (% w/w)	SVHC > 0.1% Reporting required?[2] (Y/N/Risk)
22-188 Motorola, Smartphone Model #XT2251 series	FL1032	4-tert-butylphenol[4]	-	-	0.004	<0.001	N
	FL1033	-	-	-			
	FL1034	4-tert-butylphenol[4]	-	-	0.005	<0.001	N
	FL1035	4-tert-butylphenol[4]	-	-	0.009	<0.001	N
	FL1036	4-tert-butylphenol[4]	-	-	0.008	<0.001	N
	FL1037	-	-	-			
	FL1038	4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry 66)	0.003	<0.001	N
	FL1039	-	-	Diisocyanates (Entry 74)	0.006	<0.001	NA

[1] For the composition of fractions please refer to Chapter 7. Please note, that for the composition of fractions only samples with a certain minimum weight can be used properly. The minimum weight is 0.02g for soft materials and 0.01g for hard materials. Materials which are consumed completely during previous analyses can not be considered as well.
[2] The results refer to the article considered as functional unit as described in the first column of this table. For the assignment on homogenous material level, further testing could be required. For samples with low weights, the detection limit of 0.1% SVHC in homogeneus material may not be achieved.
* For the conditions of restriction please refer to "List of REACH Annex XVII substances" of this test report of for more detailed information refer directly to REACH Regulation (1907/2006/EC) Annex XVII in EUR -Lex Website
[3] Reporting is required on the homogeneous material level.
[4] Depending on the manufacturing process of 4-tert-butylphenol a certain ratio of 3-tert-butylphenol may also be present
NA: Not applicable

5.2 List of SVHC and Annex XIV substances

orthoboric acid, sodium salt[1)]	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) [6)]
Glutaral[1)]	Medium-chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17) [8)]
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers[6)]	4,4'-(1-methylpropylidene)bisphenol (BPB)
1,4-dioxane	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)
Bis(2-(2-methoxyethoxy)ethyl) ether	Dioctyltin dilAurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety[2)]
Butyl 4-hydroxybenzoate	Dibutylbis(pentane-2,4-dionato-O,O')tin[2)]
1-vinylimidazole[1)]	2-methylimidazole[1)]
Perfluorobutane sulfonic acid (PFBS) and its salts[1)]	Diisohexyl phthalate
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides[1)]	2-methoxyethyl acetate
4-tert-butylphenol	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)[6)]
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one[1)]	2,2-bis(4'-hydroxyphenyl)-4-methylpentane[1)]
Benzo[k]fluoranthene	Fluoranthene
Phenanthrene	Pyrene
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	Benzo[ghi]perylene
Decamethylcyclopentasiloxane (D5)	Dicyclohexyl phthalate
Disodium octaborate[1)]	Dodecamethylcyclohexasiloxane (D6)
Ethylenediamine[1)]	Lead[4)]
Octamethylcyclotetrasiloxane (D4)	Terphenyl, hydrogenated
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (“Dechlorane Plus”™)	Benz[a]anthracene
Cadmium carbonate[2)]	Cadmium hydroxide[2)]
Cadmium nitrate[2)]	Chrysene
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[1)]	Perfluorohexane-1-sulphonic acid and its salts[1)]
4,4'-isopropylidenediphenol (BPA)	4-heptylphenol, branched and linear
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts[1)]	Nonadecafluorodecanoic acid[1)]
Decanoic acid, nonadecafluoro-, sodium salt[1)]	Ammonium nonadecafluorodecanoate[1)]

p-(1,1-dimethylpropyl)phenol	Benzo[def]chrysene (Benzo[a]pyrene)
1,3-propanesultone	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)*
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)*	Nitrobenzene
Perfluorononan-1-oic-acid and its sodium and ammonium salts[1)]	Perfluorononan-1-oic-acid[1)]
Sodium salts of perfluorononan-1-oic-acid[1)]	Ammonium salts of perfluorononan-1-oic-acid[1)]
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters*	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1][1)]*
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)*	5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2][1)]*
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)[1)]	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)*
Cadmium sulphate[2)]	Cadmium fluoride[2)]
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear*	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)[1)]
Sodium perborate, perboric acid, sodium salt[1)*]	Cadmium chloride[2)]
Sodium perborate[1)]	Perboric acid, sodium salt[1)]
Cadmium sulphide[2)]	Sodium peroxometaborate[1)]*
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)[1)]	Dihexyl phthalate*
Imidazolidine-2-thione (2-imidazoline-2-thiol)	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)[1)]
Trixylyl phosphate*	Lead di(acetate)[2)]
Ammonium pentadecafluorooctanoate (APFO)[1)]	4-Nonylphenol, branched and linear, ethoxylated [6)]*
Cadmium oxide[2)]	Cadmium[2)]
Pentadecafluorooctanoic acid (PFOA)[1)]	Dipentyl phthalate (DPP)*
1,2-diethoxyethane	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear*
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine[1)]	1-bromopropane (n-propyl bromide)*
4,4'-oxydianiline and its salts	4,4'-methylenedi-o-toluidine
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [7)]*	4,4'-oxydianiline
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	4-aminoazobenzene
6-methoxy-m-toluidine (p-cresidine)	4-Nonylphenol, branched and linear
Acetic acid, lead salt, basic[2)]	[Phthalato(2-)]dioxotrilead[2)]
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	Biphenyl-4-ylamine
Cyclohexane-1,2-dicarboxylic anhydride	cis-cyclohexane-1,2-dicarboxylic anhydride
trans-cyclohexane-1,2-dicarboxylic anhydride	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)[1)]
Dibutyltin dichloride (DBTC)[2)]	Diethyl sulphate
Diisopentyl phthalate*	Dimethyl sulphate

Dinoseb (6-sec-butyl-2,4-dinitrophenol)	Dioxobis(stearato)trilead[2)]
Fatty acids, C16-18, lead salts[2)]	Furan
Henicosafluoroundecanoic acid[1)]	Heptacosafluorotetradecanoic acid[1)]
Hexahydromethylphthalic anhydride	Hexahydro-1-methylphthalic anhydride
Hexahydro-3-methylphthalic anhydride	Hexahydro-4-methylphthalic anhydride
Lead cyanamidate[2)]	Lead bis(tetrafluoroborate)[2)]
Lead monoxide (lead oxide) [2)]	Lead dinitrate[2)]
Lead titanium trioxide[2)]	Lead oxide sulfate[2)]
Methoxyacetic acid	Lead titanium zirconium oxide[2)]
N,N-dimethylformamide	Methyloxirane (Propylene oxide)[1)]
N-pentyl-isopentylphthalate*	N-methylacetamide
o-toluidine	o-aminoazotoluene
Pentacosafluorotridecanoic acid[1)]	Orange lead (lead tetroxide) [2)]
Pyrochlore, antimony lead yellow[2)]	Pentalead tetraoxide sulphate[2)]
Silicic acid, lead salt[2)]	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped[2)]
Tetraethyllead[2)]	Sulfurous acid, lead salt, dibasic[2)]
Tricosafluorododecanoic acid[1)]	Tetralead trioxide sulphate[2)]
Trilead dioxide phosphonate[2)]	Trilead bis(carbonate) dihydroxide[2)]
1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme)
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol[1)]
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)[1)]	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)[1)]
Formamide[1)]	Diboron trioxide[1)]
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	Lead(II) bis(methanesulfonate)[2)]
1,2-dichloroethane*	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)[1)]
2-Methoxyaniline, o-Anisidine	2,2'-dichloro-4,4'-methylenedianiline*
Aluminosilicate Refractory Ceramic Fibres[5)]	4-(1,1,3,3-tetramethylbutyl)phenol
Bis(2-methoxyethyl) ether*	Arsenic acid[2)]*
Calcium arsenate[2)]	Bis(2-methoxyethyl) phthalate*
Formaldehyde, oligomeric reaction products with aniline*	Dichromium tris(chromate)[2,3)]*
Lead dipicrate[2)]	Lead diazide, Lead azide[2)]
N,N-dimethylacetamide	Lead styphnate[2)]
Phenolphthalein	Pentazinc chromate octahydroxide[2,3)]*
Trilead diarsenate[2)]	Potassium hydroxyoctaoxodizincatedichromate[2,3)]*

1,2,3-trichloropropane	Zirconia Aluminosilicate Refractory Ceramic Fibres[5)]
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters*	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich*
2-ethoxyethyl acetate	1-Methyl-2-pyrrolidone
Strontium chromate[2,3)]*	Hydrazine[1)]
2-methoxyethanol	2-ethoxyethanol
Dichromic acid[2,3)]	Acids generated from chromium trioxide and their oligomers[2,3)]*
Chromic acid[2,3)]	Oligomers of chromic acid and dichromic acid[2,3)]
Cobalt(II) carbonate[2)]	Chromium trioxide[2,3)]*
Cobalt(II) dinitrate[2)]	Cobalt(II) diacetate[2)]
Ammonium dichromate[2,3)]*	Cobalt(II) sulphate[2)]
Boric acid, crude natural[1)]	Boric acid[1)]
Disodium tetraborate, anhydrous[1)]	Potassium chromate[2,3)]*
Potassium dichromate[2,3)]*	Sodium chromate[2,3)]*
Tetraboron disodium heptaoxide, hydrate[1)]	Trichloroethylene*
Acrylamide	2,4-dinitrotoluene*
Anthracene oil*	Anthracene oil, anthracene paste
Anthracene oil, anthracene paste, anthracene fraction	Anthracene oil, anthracene paste, distn. lights
Anthracene oil, anthracene-low	Diisobutyl phthalate (DIBP)*
Lead chromate[2)]*	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)[2)]*
Lead sulfochromate yellow (C.I. Pigment Yellow 34)[2)]*	Pitch, coal tar, high-temp.*
Tris(2-chloroethyl) phosphate*	4,4'- Diaminodiphenylmethane (MDA)*
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)*	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) [8)]
Anthracene	Benzyl butyl phthalate (BBP)*
Bis (2-ethylhexyl)phthalate (DEHP)*	Bis(tributyltin) oxide (TBTO)
Cobalt dichloride[2)]	Diarsenic pentaoxide[2)]*
Diarsenic trioxide[2)]*	Dibutyl phthalate (DBP)*
Hexabromocyclododecane (HBCDD)*	Triethyl arsenate[2)]
Lead hydrogen arsenate[2)]	Sodium dichromate[2,3)]*

[1)] Not tested

[2)] Relevant compounds based on XRF Screening test results (selected chemical elements). For the speciation of the substances, further testing could be required.

[2, 3)] Relevant compounds based on XRF Screening and UV-Vis test results (selected chemical elements)

[4)] Lead has been added to the list of Substances of Very High Concern in its metallic form. This does include alloys but not lead-based glass and ceramics.

[5)] Relevant compounds based on XRF Screening: test results for Al and Si. For a statement regarding the actual presence of asbestos further testing is required.

[6)] One isomer was tested as representative for substance group.

[7)] Four isomers were tested as representative for substance group

[8)] *The detection limit for SCCP and MCCP in homogenous materials is 0.4%. For samples in Fractions the detectable concentration is higher depending on fraction composition and sample weight. For technical reasons, a differentiation between short and medium chain chlorinated paraffins is not possible. Further chemical analysis is necessary for differentiation.*

* Substance also included in Annex XIV of REACH ("Authorisation List")

5.3 List of REACH Annex XVII substances

75. (a) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008 [1)] (b) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council [1)] (c) substances listed in Annex IV to Regulation (EC) No 1223/2009 for which a condition is specified in at least one of the columns g, h and i of the table in that Annex (d) substances listed in Appendix 13 to this Annex. [1)]	**76.** *N,N*-dimethylformamide
73. (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol Any of its mono-, di- or tri-O-(alkyl)derivatives (TDFAs) [1)]	**74.** Diisocyanates, O = C=N-R-N = C=O, with R an aliphatic or aromatic hydrocarbon unit of unspecified length [7)]
71. 1-methyl-2-pyrrolidone (NMP)	**72.** The substances listed in column 1 of the Table in Appendix 12 [1) 6)]
69. Methanol [1)]	**70.** Octamethylcyclotetrasiloxane (D4) [1)] Decamethylcyclopentasiloxane (D5) [1)]
67. Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) [8)]	**68.** Perfluorooctanoic acid [8)]
65. Inorganic ammonium salts [1)]	**66.** 4,4'-isopropylidenediphenol (Bisphenol A) [1)]
63. Lead and its compounds [1) 3)]	**64.** 1,4-Dichlorobenzene [1)]
61. Dimethylfumarate (DMF)	**62.** Phenylmercury neodecanoate[3)] Phenylmercury octanoate[3)] Phenylmercury propionate[3)] Phenylmercury acetate[3)] Phenylmercury 2-ethylhexanoate[3)]
59. Dichloromethane [1)]	**60.** Acrylamide [1)]
57. Cyclohexane	**58.** Ammonium nitrate (AN) [1)]
55. 2-(2-butoxyethoxy)ethanol (DEGBE)[1)]	**56.** Methylenediphenyl diisocyanate (MDI) including the following specific isomers [5)]: (a) 4,4'-Methylenediphenyl diisocyanate (b) 2,4'-Methylenediphenyl diisocyanate (c) 2,2'-Methylenediphenyl diisocyanate
52. (a) Di-'isononyl' phthalate (DINP) [1)] (b) Di-'isodecyl' phthalate (DIDP) [1)] (c) Di-n-octyl phthalate (DNOP) [1)] (d) 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich [1)] (e) 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich [1)]	**54.** 2-(2-methoxyethoxy)ethanol (DEGME)
50. Polycyclic-aromatic hydrocarbons (PAH) (a) Benzo[a]pyrene (BaP) (b) Benzo[e]pyrene (BeP) (c) Benzo[a]anthracene (BaA) (d) Chrysen (CHR) (e) Benzo[b]fluoranthene (BbFA) (f) Benzo[j]fluoranthene (BjFA) (g) Benzo[k]fluoranthene (BkFA) (h) Dibenzo[a,h]anthracene (DBAhA)	**51.** (a) Bis (2-ethylhexyl) phthalate (DEHP) [1)] (b) Dibutyl phthalate (DBP) [1)] (c) Benzyl butyl phthalate (BBP) [1)]
48. Toluene	**49.** Trichlorobenzene
	47. Chromium VI compounds [1)]
46. (a) Nonylphenol [1) 6)]	**46a.** Nonylphenol ethoxylates [1) 6)]

(b) Nonylphenol ethoxylates [1) 6)]	
43. Azocolourants and Azodyes [1) 6)]	**45.** Diphenylether, octabromo derivative
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.[1)]	**41.** Hexachloroethane[1)]
37. Pentachloroethane	**38.** 1,1-Dichloroethene
35. 1,1,2,2-Tetrachloroethane	**36.** 1,1,1,2-Tetrachloroethane
32. Chloroform[3)]	**34.** 1,1,2-Trichloroethane
30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B or toxic to reproduction category 1 or 2 [7)]	**31.** (a) Creosote; wash oil [1)] (b) Creosote oil; wash oil [1)] (c) Distillates (coal tar), naphthalene oils; naphthalene oil [1)] (d) Creosote oil, acenaphthene fraction; wash oil [1)] (e) Distillates (coal tar), upper; heavy anthracene oil [1)] (f) Anthracene oil [1)] (g) Tar acids, coal, crude; crude phenols [1)] (h) Creosote, wood [1)] (i) Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline [1)]
28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B or carcinogen category 1 or 2 [7)]	**29.** Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as germ cell mutagen category 1A or 1B or mutagen category 1 or 2 [7)]
26. Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers Trade name: DBBT [2) 3)]	**27.** Nickel and ist compounds[3)]
24. Monomethyl — tetrachlorodiphenyl methane Trade name: Ugilec 141 [2) 3)]	**25.** Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121 [2) 3)]
22. Pentachlorophenol and its salts and esters [3) 8)]	**23.** Cadmium and its compounds [3)]
20. Organostannic compounds [3)]	**21.** Di-µ-oxo-di-n-butylstanniohydroxyborane/ Dibutyltin hydrogen borate $C_8H_{19}BO_3Sn$ (DBB) [3)]
18a. Mercury [1) 3)]	**19.** Arsenic compounds [1) 3)]
17. Lead sulphates [3)]: (a) $PbSO_4$ (b) Pb_xSO_4	**18.** Mercury compounds [1) 3)]
15. 4-Aminobiphenyl xenylamine	**16.** Lead carbonates [3)]: (a) Neutral anhydrous carbonate ($PbCO_3$) (b) Trilead-bis(carbonate)-dihydroxide 2Pb CO_3 -$Pb(OH)_2$
13. Benzidine and ist salts [7)]	**14.** 4-Nitrobiphenyl
11. Volatile esters of bromoacetic acids[1)]: (a) Methyl bromoacetate (b) Ethyl bromoacetate (c) Propyl bromoacetate (d) Butyl bromoacetate	**12.** 2-Naphthylamine and ist salts [7)]
9. (a) Soap bark powder (Quillaja saponaria) and its derivatives containing saponines [1)] (b) Powder of the roots of Helleborus viridis and Helleborus niger [1)] (c) Powder of the roots of Veratrum album and Veratrum nigrum [1)] (d) Benzidine and/or its derivatives [1)] (e) o-Nitrobenzaldehyde C [1)] (f) Wood powder [1)]	**10.** (a) Ammonium sulphide [1)] (b) Ammonium hydrogen sulphide [1)] (c) Ammonium polysulphide [1)]
7. Tris(aziridinyl)phosphinoxide [1) 6)]	**8.** Polybromobiphenyls; Polybrominatedbiphenyls (PBB)[1)]

	[6]
5. Benzene	**6.** Asbestos fibres [4] (a) Crocidolite (b) Amosite (c) Anthophyllite (d) Actinolite (e) Tremolite (f) Chrysotile
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008[1]	**4.** Tris (2,3 dibromopropyl) phosphate [1] [6]
1. Polychlorinated terphenyls (PCTs)[3] [7]	**2.** Chloroethene (vinyl chloride)[1]

[1] N/A the restriction does not apply to this article
[2] Not tested
[3] Relevant compounds based on XRF Screening test results (selected chemical elements). For the speciation of the substances, further testing could be required. Depending on the actual nature of the compound there is a risk of REACH Annex XVII non compliance.
[4] Relevant compounds based on XRF Screening: test results for Al and Si. For a statement regarding the actual presence of asbestos further testing is required.
[5] One isomer was tested as representative for substance group.
[6] Applies to textile articles
[7] Selected substances were evaluated as representatives
[9] See Chapter " Global Compliance Acceptance Criteria (banned and controlled Substances)"
[8] Regulation (EU) No 2020/2096: entries 22, 67, 68 have been deleted (more severe restrictions are laid down for those substances in Regulation (EU) 2019/1021 POP)

6 Test Results PAH

PAK / PAH	FL1009
Benz[a]anthracene (mg/kg)	ND
Chrysene (mg/kg)	ND
Benzo[b]fluoranthene (mg/kg)	ND
Benzo[k]fluoranthene (mg/kg)	ND
Benzo[j]fluoranthene (mg/kg)	ND
Benzo[e]pyrene (mg/kg)	ND
Benzo[a]pyrene (mg/kg)	ND
Dibenz[a,h]anthracene (mg/kg)	ND
1907/2006/EG Anhang XVII Nr. 50 (REACH) ***1907/2006/EC REACH Annex XVII Entry 50***	**Passl**

ND: Nicht nachgewiesen / *Not detected*

Bestimmungsgrenze für alle Substanzen / *Limit of Quantification for all substances* 0,5 mg/kg

7 Composition of fraction samples

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	1.79	FL1009	FJ2614-02	22-188 Motorola, Smartphone Model #XT2201 series, Upper metal bracket, Black plastic part	0.90%	1.79

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.045	FL1010	FJ2589-04	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Green/black glue strip 2	0.01%	0.022
				FJ2589-06	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Green glue strip 3	0.01%	0.023

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.097	FL1011	FJ2607-07	22-188 Motorola, Smartphone Model #XT2201 series, battery 2, Green glue strips 2	0.01%	0.02
				FJ2589-17	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Black glue strip 3	0.01%	0.025
				FJ2621-05	22-188 Motorola, Smartphone Model #XT2201 series, Display, Black glue 1	0.02%	0.047

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.097	FL1012	FJ2589-10	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Clear glue strip	0.01%	0.03
				FJ2607-05	22-188 Motorola, Smartphone Model #XT2201 series, battery 2, Green glue strips 1	0.02%	0.033
				FJ2589-18	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Black glue strips 4	0.02%	0.035

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.152	FL1013	FJ2589-03	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Green glue strip 1	0.02%	0.04
				FJ2607-06	22-188 Motorola, Smartphone Model #XT2201 series, battery 2, green/Black glue strip	0.02%	0.044
				FJ2589-02	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Green/black glue strip 1	0.03%	0.064

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.273	FL1014	FJ2589-16	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Black glue strips 2	0.03%	0.06
				FJ2589-15	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Black glue strips 1	0.04%	0.089
				FJ2607-02	22-188 Motorola, Smartphone Model #XT2201 series, battery 2, Black outer foil strip	0.06%	0.122

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.111	FL1015	FJ2617-01	22-188 Motorola, Smartphone Model #XT2201 series, Silver connection cables, Gray cable jacket	0.02%	0.04
				FJ2617-02	22-188 Motorola, Smartphone Model #XT2201 series, Silver connection cables, Yellow cable jacket	0.03%	0.067

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.113	FL1016	FJ2586-06	22-188 Motorola, Smartphone Model #XT2201 series, Shock pads 6	0.01%	0.03
				FJ2586-04	22-188 Motorola, Smartphone Model #XT2201 series, Shock pads 4	0.02%	0.031
				FJ2586-01	22-188 Motorola, Smartphone Model #XT2201 series, Shock pads 1	0.03%	0.055

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.207	FL1017	FJ2586-09	22-188 Motorola, Smartphone Model #XT2201 series, Shock pads 9	0.03%	0.06
				FJ2586-05	22-188 Motorola, Smartphone Model #XT2201 series, Shock pads 5	0.03%	0.063
				FJ2586-03	22-188 Motorola, Smartphone Model #XT2201 series, Shock pads 3	0.04%	0.084

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.127	FL1018	FJ2611-02	22-188 Motorola, Smartphone Model #XT2201 series, Volume buttons, Black rubber parts	0.02%	0.03
				FJ2592-14	22-188 Motorola, Smartphone Model #XT2201 series, Lightning jack/SIM Card PWB, Black rubber part 1	0.02%	0.036
				FJ2613-01	22-188 Motorola, Smartphone Model #XT2201 series, Black rubber strip 1+2	0.03%	0.059

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.205	FL1019	FJ2598-03	22-188 Motorola, Smartphone Model #XT2201 series, Gray rubber part	0.03%	0.06
				FJ2610-03	22-188 Motorola, Smartphone Model #XT2201 series, Red rubber part 1	0.03%	0.066
				FJ2610-04	22-188 Motorola, Smartphone Model #XT2201 series, Red rubber part 2	0.04%	0.078

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.069	FL1020	FJ2582-01	22-188 Motorola, Smartphone Model #XT2201 series, Orange glue strip	0.01%	0.02
				FJ2582-10	22-188 Motorola, Smartphone Model #XT2201 series, Clear glue strips 5	0.02%	0.049

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.137	FL1021	FJ2619-02	22-188 Motorola, Smartphone Model #XT2201 series, Display flex, Metallic glue strip	0.03%	0.06
				FJ2594-07	22-188 Motorola, Smartphone Model #XT2201 series, Metallic glue strip 3	0.04%	0.077

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.073	FL1022	FJ2613-02	22-188 Motorola, Smartphone Model #XT2201 series, Gray glue strip	0.01%	0.03
				FJ2594-04	22-188 Motorola, Smartphone Model #XT2201 series, Black plastic glue strip 2	0.02%	0.045

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.175	FL1023	FJ2583-05	22-188 Motorola, Smartphone Model #XT2201 series, Black glue strip 6+9	0.02%	0.05
				FJ2580-05	22-188 Motorola, Smartphone Model #XT2201 series, Black glue 5	0.03%	0.057
				FJ2583-01	22-188 Motorola, Smartphone Model #XT2201 series, Black glue strip 1+2	0.04%	0.072

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.337	FL1024	FJ2583-08	22-188 Motorola, Smartphone Model #XT2201 series, Black glue strip 10	0.04%	0.09
				FJ2580-06	22-188 Motorola, Smartphone Model #XT2201 series, Black glue 6	0.06%	0.117
				FJ2583-06	22-188 Motorola, Smartphone Model #XT2201 series, Black glue strip 7	0.07%	0.134

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.525	FL1025	FJ2580-01	22-188 Motorola, Smartphone Model #XT2201 series, Black glue 1	0.08%	0.15
				FJ2582-06	22-188 Motorola, Smartphone Model #XT2201 series, Clear glue strips 1	0.08%	0.165
				FJ2580-02	22-188 Motorola, Smartphone Model #XT2201 series, Black glue 2	0.11%	0.211

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.776	FL1026	FJ2580-03	22-188 Motorola, Smartphone Model #XT2201 series, Black glue 3	0.12%	0.23
				FJ2583-02	22-188 Motorola, Smartphone Model #XT2201 series, Black glue strip 3	0.12%	0.239
				FJ2610-02	22-188 Motorola, Smartphone Model #XT2201 series, Yellow rubber part 2	0.15%	0.307

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.695	FL1027	FJ2583-03	22-188 Motorola, Smartphone Model #XT2201 series, Black glue strip 4	0.15%	0.30
				FJ2621-06	22-188 Motorola, Smartphone Model #XT2201 series, Display, Black glue 2	0.20%	0.397

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.463	FL1028	FJ2590-01	22-188 Motorola, Smartphone Model #XT2201 series, Thermal paste 1+2+4	0.15%	0.29
				FJ2590-02	22-188 Motorola, Smartphone Model #XT2201 series, Thermal paste 3	0.09%	0.173

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	2.953	FL1029	FJ2607-11	22-188 Motorola, Smartphone Model #XT2201 series, battery 2, White foil	0.32%	0.63
				FJ2589-11	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, White foil	1.17%	2.318

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	30.789	FL1030	FJ2607-14	22-188 Motorola, Smartphone Model #XT2201 series, battery 2, Carbon coating	3.33%	6.61
				FJ2589-14	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Carbon coating	12.18%	24.175

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.881	FL1031	FJ2589-19	22-188 Motorola, Smartphone Model #XT2201 series, battery 1, Flex	0.33%	0.66
				FJ2607-01	22-188 Motorola, Smartphone Model #XT2201 series, battery 2, Flex	0.11%	0.223

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]

22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.503	FL1032	FJ2578-03	22-188 Motorola, Smartphone Model #XT2201 series, SIM Card holder, Gray plastic frame	0.04%	0.08
				FJ2601-01	22-188 Motorola, Smartphone Model #XT2201 series, Front camera , Lenses	0.02%	0.040
				FJ2601-06	22-188 Motorola, Smartphone Model #XT2201 series, Front camera , White plastic frame	0.03%	0.055
				FJ2602-10	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 1, Lenses	0.07%	0.136
				FJ2603-08	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 2, Lenses	0.04%	0.070
				FJ2588-18	22-188 Motorola, Smartphone Model #XT2201 series, Bottom speaker, White granulates	0.06%	0.126

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.191	FL1033	FJ2598-01	22-188 Motorola, Smartphone Model #XT2201 series, Light guide	0.01%	0.02
				FJ2588-11	22-188 Motorola, Smartphone Model #XT2201 series, Bottom speaker, Black plastic frame	0.02%	0.036
				FJ2592-13	22-188 Motorola, Smartphone Model #XT2201 series, Lightning jack/SIM Card PWB, Black plastic part	0.02%	0.049
				FJ2595-05	22-188 Motorola, Smartphone Model #XT2201 series, Black plastic parts	0.03%	0.052
				FJ2605-12	22-188 Motorola, Smartphone Model #XT2201 series, Top speaker, Black plastic frame	0.02%	0.034

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]

22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.378	FL1034	FJ2601-02	22-188 Motorola, Smartphone Model #XT2201 series, Front camera , Black plastic frame	0.02%	0.04
				FJ2601-04	22-188 Motorola, Smartphone Model #XT2201 series, Front camera , Black plastic housing	0.02%	0.046
				FJ2602-05	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 1, Black plastic frame 2	0.01%	0.026
				FJ2602-06	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 1, Black plastic frame 3	0.02%	0.037
				FJ2602-15	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 1, Black plastic ring	0.01%	0.011
				FJ2602-17	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 1, Black plastic frame 4	0.03%	0.053
				FJ2603-03	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 2, Black plastic housing	0.02%	0.045
				FJ2603-05	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 2, Black plastic part	0.01%	0.026
				FJ2603-07	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 2, Black plastic frame	0.02%	0.041
				FJ2603-13	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 2, Black plastic frame	0.03%	0.054

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	0.603	FL1035	FJ2598-02	22-188 Motorola, Smartphone Model #XT2201 series, Black plastic part,	0.10%	0.19

				FJ2602-04	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 1, Black plastic frame 1	0.07%	0.138
				FJ2602-09	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 1, Black plastic housing	0.14%	0.271

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	7.064	FL1036	FJ2588-03	22-188 Motorola, Smartphone Model #XT2201 series, Bottom speaker, Black plastic housing	0.27%	0.53
				FJ2587-01	22-188 Motorola, Smartphone Model #XT2201 series, Black plastic cover 1	0.57%	1.135
				FJ2587-02	22-188 Motorola, Smartphone Model #XT2201 series, Black plastic cover 2	1.04%	2.067
				FJ2587-04	22-188 Motorola, Smartphone Model #XT2201 series, Black plastic cover 3	0.17%	0.339
				FJ2612-00	22-188 Motorola, Smartphone Model #XT2201 series, Front plastic frame	0.71%	1.408
				FJ2615-02	22-188 Motorola, Smartphone Model #XT2201 series, Lower metal bracket, Black plastic part	0.80%	1.587

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	6.276	FL1037	FJ2620-00	22-188 Motorola, Smartphone Model #XT2201 series, Display protection foil	0.53%	1.06
				FJ2621-02	22-188 Motorola, Smartphone Model #XT2201 series, Display front foil	1.71%	3.394

				FJ2621-03	22-188 Motorola, Smartphone Model #XT2201 series, Display foil	0.92%	1.823

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	16.979	FL1038	FJ2616-01	22-188 Motorola, Smartphone Model #XT2201 series, Connection flex 1	0.84%	1.67
				FJ2619-01	22-188 Motorola, Smartphone Model #XT2201 series, Display flex	1.04%	2.074
				FJ2592-01	22-188 Motorola, Smartphone Model #XT2201 series, Lightning jack/SIM Card PWB	1.23%	2.436
				FJ2604-04	22-188 Motorola, Smartphone Model #XT2201 series, Main PWB	4.70%	9.337
				FJ2596-04	22-188 Motorola, Smartphone Model #XT2201 series, Quick view display flex	0.34%	0.672
				FJ2602-20	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 1, Flex 2	0.40%	0.790

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
22-188 Motorola, Smartphone Model #XT2251 series	198.553	1.479	FL1039	FJ2588-19	22-188 Motorola, Smartphone Model #XT2201 series, Bottom speaker, Flex	0.01%	0.02
				FJ2605-16	22-188 Motorola, Smartphone Model #XT2201 series, Top speaker, Flex	0.01%	0.027
				FJ2602-19	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 1, Flex 1	0.03%	0.069

				FJ2600-01	22-188 Motorola, Smartphone Model #XT2201 series, Flashlight flex	0.04%	0.070
				FJ2609-03	22-188 Motorola, Smartphone Model #XT2201 series, Volume button flex	0.04%	0.073
				FJ2606-01	22-188 Motorola, Smartphone Model #XT2201 series, Front flashlight PWB	0.04%	0.080
				FJ2601-08	22-188 Motorola, Smartphone Model #XT2201 series, Front camera , Flex	0.05%	0.109
				FJ2603-15	22-188 Motorola, Smartphone Model #XT2201 series, Backside camera 2, Flex	0.09%	0.172
				FJ2608-01	22-188 Motorola, Smartphone Model #XT2201 series, Power button flex	0.12%	0.232
				FJ2584-00	22-188 Motorola, Smartphone Model #XT2201 series, NFC Flex	0.32%	0.626

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