VDE Prüfbericht / *VDE Test Report*

Prüfbericht Nr. *Report No.*	277941-TL7-1
VDE-Aktenzeichen *VDE File No.*	5022428-9021-0036/277941
Ausstellungsdatum *Date of issue*	2021-05-31
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/Lenovo LLC
Auftraggeber Adresse *Applicant's address*	222 W. Merchandise Mart Plaza, Chicago, Illinois 60654, USA
Angewandte Norm(en) *Applied standard(s)*	Motorola W18 rev 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: XT2133 Series** **S/N: NLZL170297**
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*	2021-04-13		
Datum der Durchführung der Prüfungen *Date (s) of performance of tests*	2021-04-13 - 2021-05-31		

Geprüft und erstellt von: *Tested by* ..... :	Annabell Repp	
Name / *Name,* Unterschrift / *Signature* ..... :	(Autorisierung des Prüfberichtes *Authorization of test report*)	A. Repp
Funktion / *Function* ..... :	Prüfingenieur / Testing engineer	
Überprüft von / *Verified by* ..... :		
Name / *Name,* Unterschrift / *Signature* ..... :	Dr. Michael Riess	Michael Riess
Funktion / *Function* ..... :	Reviewer	

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 rev 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)	No 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:*

Konformitätsaussage / *Conformity statement*:

☒ Konformitätsaussage wird gemäß IEC Guide 115, Procedure 2 (Accuracy method), entschieden.

Conformity statement is decided in accordance with IEC Guide 115, Procedure 2. (Accuracy method)

☐ Konformitätsaussage wird gemäß der internen Prozedur entschieden. (Siehe Tabelle „Messunsicherheit“)

Conformity statement is decided according to the internal procedure. (See table "Measurement uncertainty")

Messunsicherheit (optional nach Abschnitt 7.8.3.1 c) der IEC 17025)
Uncertainty of measurement (optional according to sub-clause 7.8.3.1 c) *of IEC 17025)*:

Aussage über die Unsicherheit der für die Tests verwendeten Messsysteme

(kann durch den Produktstandard oder den Kunden erforderlich sein)

Statement concerning the uncertainty of the measurement systems used for the tests

(may be required by the product standard or client)

☐ **Internes Verfahren für die Typprüfung, durch das die Rückführbarkeit der Messunsicherheit hergestellt wurde:**

Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Verfahrensnummer, Ausstellungsdatum und Titel:

Procedure number, issue date and title:

Die Berechnungen, die zu den gemeldeten Werten führen, sind bei dem NCB und dem Testlabor, das die Tests durchgeführt hat, hinterlegt.

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

☒ **Aussage wird von der für die Typprüfung verwendeten Norm nicht verlangt.**

Statement not required by the standard used for type testing

(Anmerkung: Wenn die IEC- oder ISO-Norm eine Aussage über die Unsicherheit der für Prüfungen verwendeten Messsysteme verlangt, sollte dies oben angegeben werden. Der informative Text in Klammern sollte in beiden Fällen nach Auswahl der zutreffenden Option gelöscht werden)

(Note: When IEC or ISO standard requires a statement concerning the uncertainty of the measurement systems used for tests, this should be reported above. The informative text in parenthesis should be delete in both cases after selecting the applicable option)

Prüf- und Messmittel / *Testing and measuring equipment*:		
Parameter/s	Instrument/s	Method/e
Chemical elements Screening	Spectro XEPOS XC Inv. No. 1150667/ Spectro XEPOS HE Inv. No. 1150529 Energy-Dispersive X-Ray Fluorescence (EDXRF)	IEC 62321-3-1:2013
Polymers	Bruker ALPHA Inv. No. 1150578 Infrared Spectrometry (IR)	Inhouse Method SOP TL72 0214 Version 1
PBB, PBDE	Thermo Scientific (Dionex) UltiMate 3000 Inv. No. 5200456 High Pressure Liquid Chromatography (HPLC)	IEC 62321-6:2015
Cr(VI)	Agilent Technologies Cary 8454 UV-Vis Inv. No. 1150611 Ultraviolet Spectrometry (UV-Vis)	IEC 62321-7-1:2015
Pb, Br Localization	Spectro Midex M (M1 – Inv. No. 1150728 M2 – Inv. No. 1150284) Bruker M4 Tornado Inv. No. 1150719 Energy-Dispersive X-Ray Fluorescence (EDXRF)	IEC 62321-1:2013 IEC 62321-2:2013
REACH SVHC / Annex XIV / Annex XVII Substances Headspace screening	ThermoFisher SCIENTIFIC GC-MSD TRACE1300 and ISQ7000 (HS-GC2, Inv. No. 5211104)	VUP Guide: Screening Products for SVHC according to the REACH Regulation
REACH SVHC / Annex XIV / Annex XVII Substances screening	ThermoFisher SCIENTIFIC GC-MSD TRACE1300 and ISQ7000 (GC-5, Inv. No. 5211095) ThermoFisher SCIENTIFIC GC-MSD TRACE1300 and ISQ7000 (GC-4, Inv. No. 5211053)	VUP Guide: Screening Products for SVHC according to the REACH Regulation
Phthalates	Thermo Scientific (Dionex) UltiMate 3000 Inv. No. 5200410 High Pressure Liquid Chromatography (HPLC)	Inhouse Method SOP TL72 0218 Version 1
Phthalates	ThermoFisher SCIENTIFIC GC-MSD TRACE1300 and ISQ7000 (GC-5, Inv. No. 5211095) ThermoFisher SCIENTIFIC GC-MSD TRACE1300 and ISQ7000 (GC-4, Inv. No. 5211053)	IEC 62321-8:2017
PAH	ThermoFisher SCIENTIFIC GC-MSD TRACE1300 and ISQ7000 (GC-5, Inv. No. 5211095) ThermoFisher SCIENTIFIC GC-MSD TRACE1300 and ISQ7000 (GC-4, Inv. No. 5211053)	AfPS GS 2019:01 PAK IEC 62321-10/CD

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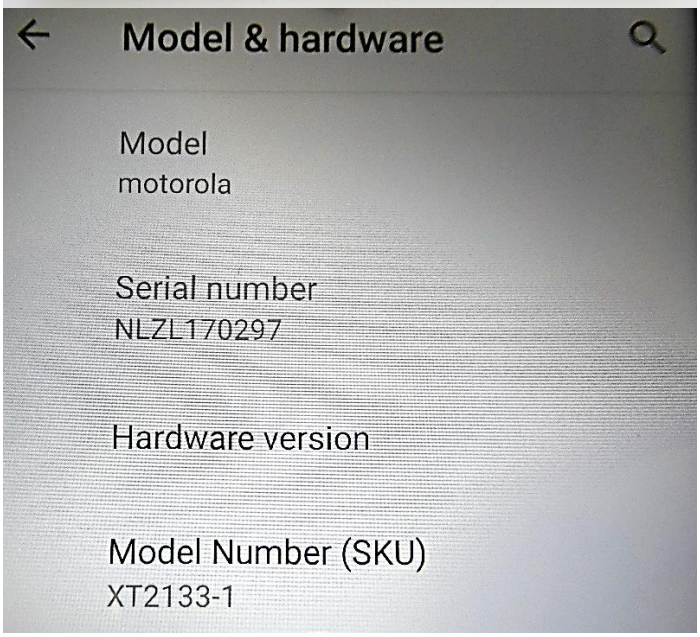
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1 Description of the Sample (EUT)

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)	n.d. see chapter 5
Diisononyl Phthalate (DINP)	n.d. see chapter 5
Formaldehyde	n.a. (no Composite Wood Products, textiles, washing or cleaning agents, cosmetic care products)
Lead and lead compounds	**detected** see chapter 2 and chapter 3
Lead in cable jackets [1, 2]	n.d. see chapter 3
Nickel and nickel compounds [4]	**detected** see chapter 3 [2)]
Nonylphenol ethoxylate [3)]	n.d. see chapter 5
Nonylphenol and its isomer mixtures [3)]	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 [6]	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. (SCCP- see chapter 5) n.t. (MCCP)
REACH Authorised and Restricted Substances not otherwise listed	**detected**
REACH Authorised and Restricted Substances not otherwise listed - Entry 20 Organostannic compounds	Sn < 0.1%[1)] See sample EV2211-03 (6.99% Sn) [1,5)] EV2211-04 (12.04% Sn) [1,5)] EV2221-11 (0.13% Sn) [1,5)]
REACH Authorised and Restricted Substances not otherwise listed - Entry 21 Di-µ-oxo-di-n-butylstanniohydroxyborane/ Dibutyltin hydrogen borate C8H19BO3Sn (DBB)	See sample EV2211-03 (6.99% Sn) [1,5)] EV2211-04 (12.04% Sn) [1,5)] EV2211-05 (0.06% Sn) [1,5)] EV2213-06 (0.04% Sn) [1,5)] EV2221-11 (0.13% Sn) [1,5)]
REACH Authorised and Restricted Substances not otherwise listed - Entry 50 Polycyclic-aromatic hydrocarbons (PAH)	See Chapter 6
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.”

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)] One isomer tested as representative for substance group
[5)] Depending on the actual nature of the compound there is a risk of REACH Annex XVII non compliance.

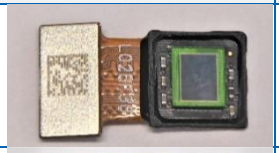
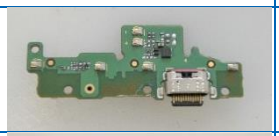
Following materials of concern according to Motorola 12G02897W18 rev. E were identified that exceed the thresholds according to Appendix C Section 5 for controlled and banned substances.

2.2 Items that only use Homogeneous Materials

Sample Item	Description	Photo	Material of Concern (Concentration) [1)]	Does that rating make use of an Exemption	Sub Item level acceptance rating
EV2229-03	20-229 Smart Phone XT2133, Inner housing, Golden screw insert		**Pb** (2.4 ± 0.5 % = 24000 ± 5000 ppm)	Pb in Copper alloy Exemption 6(c)	**Pass, exemption applicable**

[1)] Threshold limits are given in ppm, exemptions are in wt.% - ppm = mg/kg (w/w)

2.3 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
EV2215-01	20-229 Smart Phone XT2133, Rear camera 2, Flex		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
EV2218-01	20-229 Smart Phone XT2133, Main PWB, PWB		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
EV2219-01	20-229 Smart Phone XT2133, Battery, Battery Flex		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
EV2225-00	20-229 Smart Phone XT2133, Sub PWB		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
EV2229-01	20-229 Smart Phone XT2133, Inner housing, Metal part		Surface coating (1%)	**Pb** (0.05 ± 0.02 % = 500 ± 200 ppm)	No	**Pass**
			Base metal (99%)	**Pb** (0.05 ± 0.02 % = 500 ± 200 ppm)	No	**Pass**
EV2230-08	20-229 Smart Phone XT2133, Display assembly, Display flex		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**

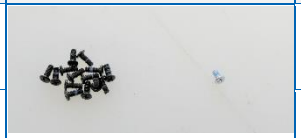
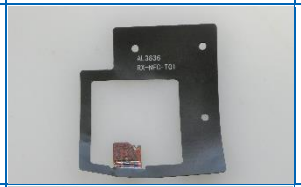
[1] Threshold limits are given in ppm, exemptions are in wt.% - ppm = mg/kg (w/w)
[2] Components have been identified that contain lead in ceramics. Due to expired exemption for lead in dielectric ceramic capacitors (of less than 125V AC or 250V DC) it has to be made sure that the exemption is really 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)]
EV2198-00	20-229 Smart Phone XT2133, SIM Card holder		0.409	0.19%				
EV2198-01	20-229 Smart Phone XT2133, SIM Card holder, Metal frame				52.57%		Main: Cr Mn Fe Ni; Other: Al Si P S Ca V Co Cu Mo; Trace: Ga Ge W.	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
EV2198-02	20-229 Smart Phone XT2133, SIM Card holder, Blue plastic frame				45.72%	PC 97% Acrylic based paint 3%	Main: Al Si Ca; Other: P S Cl K Ti Fe; Trace: V Cr Mn Ni Br Sr Zr La.	Reportable: Al Si Fe;
EV2198-03	20-229 Smart Phone XT2133, SIM Card holder, Red seal ring				1.71%	Silicone	Main: Si; Other: Al P S Cl K Ca; Trace: Ti V Cr Mn Fe Co Ni Zn.	Reportable: Al Si Co;
EV2199-00	20-229 Smart Phone XT2133, Shock pads 1-9, Metallic shock pads 1+2		0.341	0.16%				
EV2199-01	20-229 Smart Phone XT2133, Shock pads 1+2+4+7+8+9				68.91%	PUR 60% PET 20% Acrylic 20%	Other: Al Si P S Cl K; Trace: Ca Ni Sb.	Reportable: Al Si;
EV2199-02	20-229 Smart Phone XT2133, Shock pads 3+5+6				13.49%	PUR 60% PET 20% Acrylic 20%	Main: Al; Other: Si P S Cl K Ca; Trace: Ti V Cr Mn Fe Ni Br.	Reportable: Al Si;
EV2199-03	20-229 Smart Phone XT2133, Metallic shock pads 1+2				17.60%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Hf; Trace: Ca Mn Zn Y Nb Mo Sb Cs Ba La.	Reportable: Al Si P Cu; Controlled: Ni.

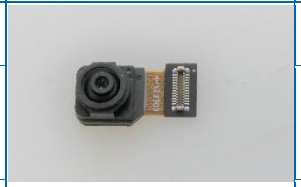
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
EV2200-00	20-229 Smart Phone XT2133, Label 1-4, Humidity indicator		0.025	0.01%				
EV2200-01	20-229 Smart Phone XT2133, Label 1+2+4				68.00%	PET 80% Acrylic 20%	Main: Ti; Other: Al Si P S Cl K Ca V; Trace: Mn Fe Ni Cu Zn Zr Nb Mo Sb.	Reportable: Al Si;
EV2200-02	20-229 Smart Phone XT2133, Label 3				28.00%	PP 80% Acrylic 20%	Main: Al P Ca; Other: Si S Cl K Ti; Trace: Cr Mn Ni Zn Mo Te I.	Reportable: Al Si P;
EV2200-03	20-229 Smart Phone XT2133, Humidity indicator				4.00%	Paper 40% PET 40% Acrylic 20%	Main: Si S Cl Ca Ti; Other: Al P K; Trace: Fe Ni.	Reportable: Al Si;
EV2201-00	20-229 Smart Phone XT2133, Black glue pads		0.376	0.18%		PE/PVA 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti Zn; Trace: V Cr Mn Fe Ni W.	Reportable: Al Si Zn;
EV2202-00	20-229 Smart Phone XT2133, Buttons, Light guide 1-3, Black plastic strip		0.246	0.12%				
EV2202-01	20-229 Smart Phone XT2133, Buttons, Black plastic				54.88%	PC 97% Acrylic based paint 3%	Other: Al Si P S Cl K Ca Cr Fe; Trace: Ti Mn Co Ni Cu Zn In.	Reportable: Al Si Cr Fe Co;
EV2202-02	20-229 Smart Phone XT2133, Buttons, Clear rubber strip				19.51%	TPU	Main: Si; Other: Al P S Cl K Ca Fe; Trace: Ti V Cr Mn Ni Cu Zn.	Reportable: Al Si Fe;
EV2202-03	20-229 Smart Phone XT2133, Light guide 1				11.79%	PMMA	Other: Al Si S Cl K Ca; Trace: P Ti V Cr Mn Ni.	Reportable: Al Si;
EV2202-04	20-229 Smart Phone XT2133, Light guide 2				6.50%	PMMA	Main: S; Other: Al Si P Cl K Ca; Trace: Ti V Cr Mn Fe Ni.	Reportable: Al 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)
EV2202-05	20-229 Smart Phone XT2133, Light guide 3				5.69%	PMMA	Main: S; Other: Al Si P Cl K; Trace: Ca Ti V Cr Mn Fe Ni.	Reportable: Al Si;
EV2202-06	20-229 Smart Phone XT2133, Black plastic strip				1.63%	PET 80% Acrylic 20%	Other: Al Si P S Cl K Ca Ti; Trace: V Cr Mn Fe Ni Cu Zn.	Reportable: Al Si P;
EV2203-00	20-229 Smart Phone XT2133, Glass lens cover, Glass lenses		0.391	0.18%				
EV2203-01	20-229 Smart Phone XT2133, Glass lens cover				37.85%		Main: Al Si K; Other: S Cl Ca Ti Sn La; Trace: P Fe Ni Cu Ga Zr.	Reportable: Al Si Sn La;
EV2203-02	20-229 Smart Phone XT2133, Glass lenses				57.29%		Main: Si K; Other: Al S Cl Ca Ti Sn La; Trace: P Fe Ni Ga Zr.	Reportable: Al Si Sn La;
EV2203-03	20-229 Smart Phone XT2133, Black shock pads				4.86%	Polyethylene-co-vinylacetate 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti Fe Zn; Trace: V Cr Mn Co Ni Cu Mo W.	Reportable: Al Si Fe Co Zn;
EV2204-00	20-229 Smart Phone XT2133, Antenna flex 1-3		0.375	0.18%				
EV2204-01	20-229 Smart Phone XT2133, Antenna flex 1				41.07%		Main: Al Si Ni Cu; Other: P S Cl K Ca Ti Zn Zr Au; Trace: Cr Co Ge Nb Mo Ba Ce.	Reportable: Al Si P Co Cu Au; Controlled: Ni.
EV2204-02	20-229 Smart Phone XT2133, Antenna flex 2				14.40%		Main: Si Cl; Other: Al P S K Ca Zr; Trace: Ti V Cr Mn Fe Ni Cu Mo.	Reportable: Al Si;
EV2204-03	20-229 Smart Phone XT2133, Antenna flex 3				44.53%		Main: Al Si P Cu; Other: S Cl K Ca Ti Ni Zn Zr Au; Trace: Cr Ge Nb Mo Ba.	Reportable: Al Si P Cu Zn Au; Controlled: Ni.
EV2205-00	20-229 Smart Phone XT2133, Backside cover		16.834	7.89%		PC 97% Acrylic based paint 3%	Main: Si S; Other: Al P Cl K Ca Ti; Trace: V Ni Cu In.	Reportable: Al Si P;

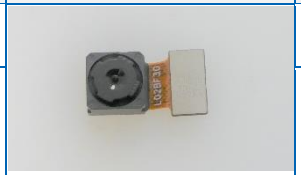
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
EV2206-00	20-229 Smart Phone XT2133, Black screws 1+2, Silver screw		0.630	0.30%				
EV2206-01**	20-229 Smart Phone XT2133, Black screws 1+2				94.60%		Main: Al Si S Fe Zn; Other: P Ca Ti Cr Mn Co Ni Cu Ga; Trace: V Nb.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.
EV2206-02	20-229 Smart Phone XT2133, Silver screw				5.40%		Main: P Fe Zn; Other: Al Si S Ca Cr Mn Co Ni Cu; Trace: Ti Ga As.	Reportable: Al Cr Fe Co Cu Zn;
EV2207-00	20-229 Smart Phone XT2133, NFC Sensor flex		0.541	0.25%			Main: Si S Fe Ni Cu Zn; Other: Al P Cl K Ca Ti Mn Co Sr Ba W; Trace: Ge Y Zr Nb Mo Au Bi.	Reportable: Al Si Fe Co Cu Zn Ba W; Controlled: Ni.
EV2208-00	20-229 Smart Phone XT2133, Black glue strips 1-7, Copper glue strip 1+2, Clear glue strips, Blue glue strip, Yellow glue strip, Metallic glue strips		1.990	0.93%				
EV2208-01	20-229 Smart Phone XT2133, Black glue strips 1+2+3+5				68.19%	PET 80% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Ti Co; Trace: V Cr Mn Fe Ni Zn.	Reportable: Al Si P Co;
EV2208-02	20-229 Smart Phone XT2133, Black glue strip 4				0.20%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca; Trace: Ti V Cr Mn Fe Ni Cu.	Reportable: Al Si;
EV2208-03	20-229 Smart Phone XT2133, Black glue strip 6				8.69%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca; Trace: Ti V Cr Mn Ni Mo Sb.	Reportable: Al Si P;
EV2208-04	20-229 Smart Phone XT2133, Black glue strips 7				0.15%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca; Trace: Ti V Cr Mn Fe Ni Cu Br Zr Mo.	Reportable: Al 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)
EV2208-05	20-229 Smart Phone XT2133, Copper glue strip 1				1.21%	Metal 80% Acrylic 20%	Main: Cu; Other: Al Si P S Cl K Ca Ni Nb; Trace: Ti Co Y Zr Mo Ag I Cs Ba La Ce.	Reportable: Al Si Co Cu; Controlled: Ni.
EV2208-06	20-229 Smart Phone XT2133, Copper glue strip 2				3.17%	Metal 80% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Ca Cr Nb; Trace: Ti Co Zn Ge Y Mo I Cs Ba La Ce.	Reportable: Al Si Cr Co Cu; Controlled: Ni.
EV2208-07	20-229 Smart Phone XT2133, Clear glue strips				14.97%	PET 80% Acrylic 20%	Other: Al Si P S Cl K Ca Fe; Trace: Ti V Cr Mn Ni Cu Zn Sb.	Reportable: Al Si Fe;
EV2208-08	20-229 Smart Phone XT2133, Blue glue strip				0.10%	PET 80% Silicone 20%	Main: Si; Other: P S Cl K; Trace: Al Ca Ti Cr Ni Cu Zn Zr Mo Sn Sb.	Reportable: Si;
EV2208-09	20-229 Smart Phone XT2133, Yellow glue strip				0.60%	PAI 80% Silicone 20%	Main: Si; Other: S Cl K Ca; Trace: P Mn Ni Zn Mo.	Reportable: Si;
EV2208-10	20-229 Smart Phone XT2133, Metallic glue strips				2.71%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Ca Ti Zn Hf; Trace: Y Zr Nb Sb Cs Ba La Ce.	Reportable: Al Si Cu; Controlled: Ni.
EV2209-00	20-229 Smart Phone XT2133, Blue rubber pad, Rubber cover 1-3, Black rubber pad, Rubber seal		0.392	0.18%				
EV2209-01	20-229 Smart Phone XT2133, Blue rubber pad				6.89%	Silicone	Main: Al Si; Other: S Cl Ca; Trace: P K Ti Cr Fe Ni Zn Ga Ce.	Reportable: Al Si;
EV2209-02	20-229 Smart Phone XT2133, Rubber cover 1				6.12%	Silicone	Main: Si; Other: Al Cl K Ca Zn; Trace: P S Ti Fe Ni.	Reportable: Al Si;
EV2209-03	20-229 Smart Phone XT2133, Rubber cover 2				48.21%	Silicone	Main: Si; Other: Al S Cl K Ca Zn; Trace: P Ti Cr Mn Fe Ni Zr.	Reportable: Al Si Zn;

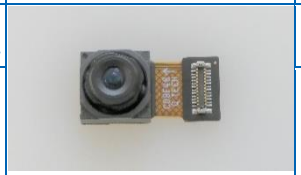
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds 1)
EV2209-04	20-229 Smart Phone XT2133, Rubber cover 3				25.51%	Silicone	Main: Si; Other: Al S Cl Zn; Trace: P K Ca Ti Mn Fe Zr.	Reportable: Al Si;
EV2209-05	20-229 Smart Phone XT2133, Black rubber pad				1.02%	Silicone 80% Acrylic 20%	Main: Al Si Cl; Other: P S K Ca Ti; Trace: V Cr Mn Fe Ni Cu Zn.	Reportable: Al Si;
EV2209-06	20-229 Smart Phone XT2133, Rubber seal				12.24%	TPU	Main: Si; Other: Al P S Cl K Ca Ti Fe; Trace: V Cr Mn Ni Cu.	Reportable: Al Si Fe;
EV2210-00	20-229 Smart Phone XT2133, LED PWB		0.283	0.13%			Main: Si P S Ca Ti Ni Cu; Other: Cl K V Fe Co Zn Ga Sr Y Ag Sn Ba Au; Trace: Ge Se Br In.	Reportable: Si P Fe Co Cu Zn Y Ag Sn Ba Au; Controlled: Ni.
EV2211-00	20-229 Smart Phone XT2133, Top plastic cover, Bottom plastic cover		6.604	3.10%				
EV2211-01	20-229 Smart Phone XT2133, Top plastic cover				68.50%	PC 97% Acrylic based paint 3%	Main: Si; Other: Al P S Cl K Ti; Trace: Ca V Ni.	Reportable: Al Si;
EV2211-02	20-229 Smart Phone XT2133, Top plastic cover, Bottom plastic cover, Black plastic				30.16%	PC GF	Main: Al Si Ca; Other: P S Cl K Ti Fe Br; Trace: V Cr Mn Ni Sr Zr.	Reportable: Al Si P Fe; Controlled: BFR*.
EV2211-03	20-229 Smart Phone XT2133, Top plastic cover, Bottom plastic cover, Contact strip 1				0.58%		Main: S Cr Fe Ni Sn; Other: Al Si P V Mn Co Cu Ga Nb Mo; Trace: Ge.	Reportable: Al Cr Fe Co Cu Sn; Controlled: Ni.
EV2211-04	20-229 Smart Phone XT2133, Top plastic cover, Bottom plastic cover, Contact strip 2				0.65%		Main: Al S Cr Fe Ni Sn; Other: Si P V Mn Co Cu Nb Mo; Trace: Zn Ga Ge.	Reportable: Al Cr Fe Co Cu Sn; Controlled: Ni.
EV2211-05	20-229 Smart Phone XT2133, Top plastic cover, Bottom plastic cover, Blue glue				0.05%	PA PAN	Main: Si S; Other: Al P Cl K Ca Sn; Trace: Ti V Cr Mn Fe Ni Cu.	Reportable: Al Si P Sn;

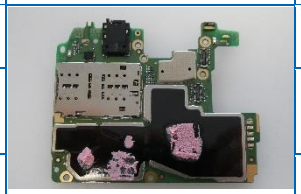
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
EV2212-00	20-229 Smart Phone XT2133, Fingerprint sensor		0.730	0.34%				
EV2212-01	20-229 Smart Phone XT2133, Fingerprint sensor, Flex				73.01%		Main: Si P S Ti Cr Fe Ni Cu; Other: Cl K Ca Mn Co Zn Zr Mo Ag Ba Yb; Trace: V Rb Sr Y In Sn.	Reportable: Si P Cr Fe Co Cu Zn Ag Ba; Controlled: Ni.
EV2212-02	20-229 Smart Phone XT2133, Fingerprint sensor, Motorola button				26.16%		Main: Si P S Cu Sn; Other: Cl Ca Ti V Fe Ni Zn Sr Ag Ba La Ce Pr Nd Yb Au; Trace: Ga Br Zr Mo In Te.	Reportable: Si P Fe Cu Zn Ag Sn Ba La Ce Pr Nd Au; Controlled: Ni.
EV2212-03	20-229 Smart Phone XT2133, Fingerprint sensor, Black glue strip				0.82%	Polyethylene-co-vinylacetate 80% Acrylic 20%	Main: Al Si Ca; Other: P S Cl K Fe Zn; Trace: Ti V Cr Mn Ni Cu.	Reportable: Al Si Fe;
EV2213-00	20-229 Smart Phone XT2133, Front camera		0.278	0.13%				
EV2213-01	20-229 Smart Phone XT2133, Front camera, Flex				38.49%		Main: Si P S Ti Ni Cu; Other: Cl K Ca V Fe Co Zn Ge Sr Zr Pd Ag Sn Ba Yb Au; Trace: Ga Se Br Y Nb Mo In Tl.	Reportable: Si P Fe Co Cu Zn Pd Ag Sn Ba Au; Controlled: Ni.
EV2213-02	20-229 Smart Phone XT2133, Front camera, Black plastic housing				25.54%	PC	Main: Si; Other: Al P S Cl K Ca Ti Mn Fe Cu; Trace: V Cr Ni Zn Br.	Reportable: Al Si Fe;
EV2213-03	20-229 Smart Phone XT2133, Front camera, Black shock pad				0.36%	PUR 60% PET 20% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Ti Mn Fe Cu Zn Br Sn; Trace: V Cr Ni Zr Mo Sb Ba W.	Reportable: Al Si P Fe Cu Zn; Controlled: BFR*.
EV2213-04	20-229 Smart Phone XT2133, Front camera, Black plastic frame				7.91%	PA	Main: Si S; Other: Al P Cl K Ca; Trace: Ti V Cr Mn Fe Ni.	Reportable: Al Si P Fe Cu Zn Ba;
EV2213-05	20-229 Smart Phone XT2133, Front camera, Blue glass plate				2.88%		Main: Al Si S Ca Ti Ba; Other: P Cl K Fe Cu Zn Br Sr Sn; Trace: Mn Ni Nb Mo I Ce W.	Reportable: Al Si P Fe Cu Zn Ba; Controlled: BFR*.

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)
EV2213-06	20-229 Smart Phone XT2133, Front camera, Black plastic ring				0.36%	PC	Main: Al Si; Other: P S Cl K Ca Ti Mn Fe Cu Br Sn; Trace: V Cr Ni Zn Mo Ag W Pb.	Reportable: Al Si P Fe Cu Sn; Controlled: BFR*.
EV2213-07	20-229 Smart Phone XT2133, Front camera, Black foil rings				0.36%	PET	Main: Si S; Other: Al P Cl K Ca Ti; Trace: V Cr Mn Fe Ni Mo.	Reportable: Al Si;
EV2213-08	20-229 Smart Phone XT2133, Front camera, Clear plastic lenses				10.79%	Polyolefine 50% Butylrubber 50%	Main: S; Other: Al Si P Cl K Ca Ti; Trace: Cr Mn Fe Ni.	Reportable: Al Si;
EV2213-09	20-229 Smart Phone XT2133, Front camera, Black metal rings				13.31%		Main: Cu Zn; Other: Al Si P S Cl K Ca Fe Sn Bi; Trace: Ti Co Ni Nb Mo.	Reportable: Al Si Fe Co Cu Zn Sn Bi;
EV2214-00	20-229 Smart Phone XT2133, Rear camera 1		0.172	0.08%				
EV2214-01	20-229 Smart Phone XT2133, Rear camera 1, Flex				44.19%		Main: Si P S Ca Ti Ni Cu; Other: Cl K V Fe Zn Sr Zr Pd Ag Sn Ba W Au Pb; Trace: Ga Ge Se Br Mo.	Reportable: Si P Fe Cu Zn Pd Ag Sn Ba W Au; Controlled: Ni.
EV2214-02	20-229 Smart Phone XT2133, Rear camera 1, Black plastic housing				45.35%	PC	Main: Si; Other: Al P S Cl K Ca Fe Co; Trace: Ti V Cr Mn Ni.	Reportable: Al Si Fe Co;
EV2214-03	20-229 Smart Phone XT2133, Rear camera 1, Blue glass plate				4.07%		Main: Al Si K; Other: P S Ti Zn; Trace: Cl Ca Fe La Ce.	Reportable: Al Si Zn;
EV2214-04	20-229 Smart Phone XT2133, Rear camera 1, Black foil rings				0.58%	PET	Main: Si S; Other: Al P Cl K Ca; Trace: Ti V Cr Mn Fe Ni.	Reportable: Al Si;
EV2214-05	20-229 Smart Phone XT2133, Rear camera 1, Clear plastic lenses				5.81%	PP/PC	Main: Si; Other: Al P S Cl K Ca Ti; Trace: Cr Mn Fe Ni Cu Zn.	Reportable: Al 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)]
EV2215-00	20-229 Smart Phone XT2133, Rear camera 2		0.242	0.11%				
EV2215-01	20-229 Smart Phone XT2133, Rear camera 2, Flex				58.68%		Main: Si P S Ca Cr Fe Ni Cu; Other: Cl K Ti Mn Co Zn Sr Ag Sn Ba Yb; Trace: V Ga Zr Mo In. See x, y – Scan (Chapter 4)	Reportable: Si P Cr Fe Co Cu Zn Ag Sn Ba; **Controlled**: Ni **Pb**.
EV2215-02	20-229 Smart Phone XT2133, Rear camera 2, Outer black plastic housing				30.58%	Polyester GF	Main: Si Ca; Other: Al S Cl K Fe Ba; Trace: P Cr Mn Ni Sr.	Reportable: Al Si Fe Ba;
EV2215-03	20-229 Smart Phone XT2133, Rear camera 2, Inner black plastic housing				5.37%	PC	Main: Si S; Other: Al P Cl K Ca Ti; Trace: V Cr Mn Fe Ni Cu Zn Mo.	Reportable: Al Si;
EV2215-04	20-229 Smart Phone XT2133, Rear camera 2, Black plastic ring				0.41%	PC	Main: Si; Other: Al P S Cl K Ca; Trace: Ti V Cr Mn Fe Ni.	Reportable: Al Si;
EV2215-05	20-229 Smart Phone XT2133, Rear camera 2, Black foil rings				0.41%	PET	Main: Si S; Other: Al P Cl Ca; Trace: K Ti V Cr Mn Fe Ni.	Reportable: Al Si;
EV2215-06	20-229 Smart Phone XT2133, Rear camera 2, Clear plastic lenses				4.55%	Polyolefine 50% Butylrubber 50%	Main: Si; Other: Al S Cl Ca Ti; Trace: P K Cr Mn Ni Mo.	Reportable: Al Si;
EV2216-00	20-229 Smart Phone XT2133, Rear camera 3		0.895	0.42%				
EV2216-01	20-229 Smart Phone XT2133, Rear camera 3, Flex				19.55%		Main: Si P S Ca Cu; Other: Cl K Ti Fe Ni Zn Ga Br Sr Zr Ag Sn Ba Ta W Au Pb; Trace: V As Mo Pd.	Reportable: Si P Fe Cu Zn Ag Sn Ba Ta W Au; Controlled: Ni BFR* Pb.
EV2216-02	20-229 Smart Phone XT2133, Rear camera 3, Copper glue strip				2.68%	Metal 80% Acrylic 20%	Main: Ni Cu; Other: Al Si P S K Ca Ti Zn; Trace: Cl Cr Ga Y Zr Nb Mo Sb I Cs Ba La Ce.	Reportable: Al Si Cu Zn; Controlled: Ni.

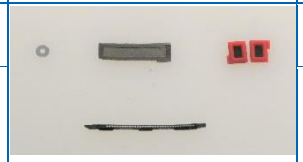
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds 1)
EV2216-03	20-229 Smart Phone XT2133, Rear camera 3, Black plastic frame 1				5.92%	PA GF	Main: Si S Ca Ti; Other: Al P Cl K Fe; Trace: Cr Mn Ni.	Reportable: Al Si P Fe;
EV2216-04	20-229 Smart Phone XT2133, Rear camera 3, Blue glass plate				0.45%		Main: Si Ti; Other: Al P S Cl; Trace: K Ca Cr Mn Ni Zr Nb Mo.	Reportable: Al Si;
EV2216-05	20-229 Smart Phone XT2133, Rear camera 3, Black plastic frame 2				2.46%	Polyester GF	Main: Si S Ca; Other: Al P Cl K Mn Fe Ni Ba; Trace: Ti Cr Cu Sr Mo.	Reportable: Al Si Fe Ba;
EV2216-06	20-229 Smart Phone XT2133, Rear camera 3, Metal frame				24.13%		Main: Si P Fe Ni; Other: Al S Ca Ti Mn Co Cu Zn; Trace: V Cr Ga Mo Sn Bi.	Reportable: Al Fe Co Cu; Controlled: Ni.
EV2216-07	20-229 Smart Phone XT2133, Rear camera 3, Magnets				16.65%		Main: Al Si Fe Ni Cu; Other: P S Ca Ti V Cr Mn Co Zn Ga Ge Zr Nb Mo W Tl Bi; Trace: Sb.	Reportable: Al Cr Fe Co Cu Zn Sn W Tl Bi; Controlled: Ni.
EV2216-08	20-229 Smart Phone XT2133, Rear camera 3, Silver wires				2.12%		Main: Al Si S Ni Cu Sn; Other: P Ca Ti Mn Fe Ga Ge Br Nb Ta; Trace: V Cr Mo.	Reportable: Al Fe Cu Sn Ta; Controlled: Ni.
EV2216-09	20-229 Smart Phone XT2133, Rear camera 3, Black plastic frame 3				2.91%	Polyester GF	Main: Si Ca; Other: Al P S Cl K Fe Ba; Trace: V Cr Mn Ni Sr.	Reportable: Al Si Fe Ba;
EV2216-10	20-229 Smart Phone XT2133, Rear camera 3, Copper wire 1				1.45%		Main: Si S Cu; Other: Al P Ca Ti Ni Zn Ga Br Sn Tl; Trace: V Cr Mn Co Ge.	Reportable: Al Co Cu Tl; Controlled: Ni.
EV2216-11	20-229 Smart Phone XT2133, Rear camera 3, Black plastic lense housing				7.71%	PC	Main: Si; Other: Al P S Cl Ca; Trace: K Ti Mn Fe Ni Cu Mo.	Reportable: Al Si;
EV2216-12	20-229 Smart Phone XT2133, Rear camera 3, Clear plastic lenses				8.27%	EP	Main: Si; Other: Al S Cl Ti; Trace: P K Ca Cr Mn Fe Ni Cu Mo.	Reportable: Al Si;
EV2216-13	20-229 Smart Phone XT2133, Rear camera 3, Black foil rings				0.11%	PET	Main: Al Si S; Other: P Cl K Ca Ti Cr Mn Fe; Trace: V Ni Cu Zn Mo Sn Sb.	Reportable: Al Si Cr Fe;

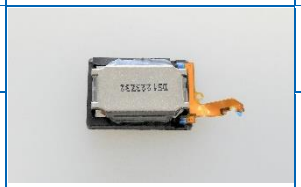
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds 1)
EV2216-14	20-229 Smart Phone XT2133, Rear camera 3, Black metal ring				4.25%		Main: Si S Cu Zn; Other: Al P Ca Ti Fe Ni Ga Ge Ta W Tl Bi; Trace: V Cr Mn Sn.	Reportable: Al Fe Cu Zn Ta W Tl Bi;
EV2216-15	20-229 Smart Phone XT2133, Rear camera 3, Copper wires 2				0.45%		Main: Si S Ca Ti Cu; Other: Al P V Cr Ni Zn Ga Ge Sn Ta; Trace: Mn Fe Br Nb Mo.	Reportable: Al Cr Cu Sn Ta; Controlled: Ni.
EV2216-16	20-229 Smart Phone XT2133, Rear camera 3, Contacts				0.89%		Main: Al Si S Ca Ti Ni Cu Zn Sn; Other: P V Cr Mn Fe Ga Ag Au; Trace: Ge Zr Nb Mo.	Reportable: Al Cr Fe Cu Zn Ag Sn Au; Controlled: Ni.
EV2217-00	20-229 Smart Phone XT2133, Rear camera 4		0.309	0.14%				
EV2217-01	20-229 Smart Phone XT2133, Rear camera 4, Flex				35.60%		Main: Si P S Ca Cu; Other: Cl K Ti Fe Ni Zn Sr Ag Sn Ba W Au; Trace: V Ga Ge Se Br Zr Pd In Pb.	Reportable: Si P Fe Cu Zn Ag Sn Ba W Au; Controlled: Ni.
EV2217-02	20-229 Smart Phone XT2133, Rear camera 4, Black plastic frame				24.60%	Polyester GF	Main: K; Other: Al Si P S Cl Ca Ti Fe Cu Zn Ba; Trace: Cr Mn Ni.	Reportable: Al Si Fe Cu Zn Ba;
EV2217-03	20-229 Smart Phone XT2133, Rear camera 4, Blue glass plate				6.47%		Main: Al Si P S Ca Cu Zn Ba; Other: Cl K Ti; Trace: Ni Sr I Ce.	Reportable: Al Si P Cu Zn Ba;
EV2217-04	20-229 Smart Phone XT2133, Rear camera 4, Black plastic lense housing				13.27%	PC/PET	Main: S; Other: Al Si P Cl K Ca Ti; Trace: Cr Mn Fe Co Ni Cu Zn.	Reportable: Al Si P Co;
EV2217-05	20-229 Smart Phone XT2133, Rear camera 4, Black foil rings				0.32%	PET	Main: Si S; Other: Al P Cl Ca Cr; Trace: K Ti V Mn Fe Ni Mo.	Reportable: Al Si Cr;
EV2217-06	20-229 Smart Phone XT2133, Rear camera 4, Clear plastic lenses				16.18%	Polyester 50% Butylrubber 50%	Main: Si S; Other: Al P Cl K Ca Ti; Trace: Cr Mn Fe Ni Zn.	Reportable: Al 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)]
EV2217-07	20-229 Smart Phone XT2133, Rear camera 4, Black plastic ring				0.32%	PC/PET	Main: Si; Other: Al P S Cl K Ca Ti; Trace: V Cr Mn Ni Cu Zn.	Reportable: Al Si P;
EV2218-00	20-229 Smart Phone XT2133, Main PWB		17.315	8.12%				
EV2218-01	20-229 Smart Phone XT2133, Main PWB, PWB				61.77%		See x, y – Scan (Chapter 4)	**Controlled**: **Pb**
EV2218-02	20-229 Smart Phone XT2133, Main PWB, Black glue strips				0.90%	PET 80% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Ti Ni Cu Zn; Trace: V Cr Mn Fe Zr Sn Sb Ba Ce.	Reportable: Al Si P Cu; Controlled: Ni.
EV2218-03	20-229 Smart Phone XT2133, Main PWB, Metal shieldings 1				22.06%		Main: Si Ni Cu Zn; Other: Al P S Cr Mn Fe Sn; Trace: Ca Ti Co Ga Ge Ag.	Reportable: Al Cr Fe Co Cu Zn Sn; Controlled: Ni.
EV2218-04	20-229 Smart Phone XT2133, Main PWB, Metal shielding 2				3.88%		Main: Cr Mn Fe Ni; Other: Al Si P S V Co Cu Mo W; Trace: Ti Zn Ga Ge Sn.	Reportable: Al Cr Fe Co Cu W; Controlled: Ni.
EV2218-05	20-229 Smart Phone XT2133, Main PWB, Metal shielding 3				1.85%		Main: Al Cr Mn Fe Ni; Other: Si P S Ca Ti V Co Cu Zn Mo W; Trace: Ga Ge Sn.	Reportable: Al Cr Fe Co Cu W; Controlled: Ni.
EV2218-06	20-229 Smart Phone XT2133, Main PWB, Metal shieldings 4				3.10%		Main: Ni Cu Zn; Other: Al Si P S Mn Fe Sn W; Trace: Ca Ti Cr Co Ge Ag.	Reportable: Al Fe Co Cu Zn Sn W Au; Controlled: Ni.
EV2218-07	20-229 Smart Phone XT2133, Main PWB, Metal shielding 5				2.18%		Main: Cr Mn Fe Ni; Other: Al Si P S V Co Cu Mo; Trace: Ti Zn Ga Ge Sn.	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
EV2218-08	20-229 Smart Phone XT2133, Main PWB, Metallic shock pad				0.05%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Al Si K Ca; Trace: P Cl Ti Fe Zn Sn Sb I.	Reportable: Al Cu; Controlled: Ni.
EV2218-09	20-229 Smart Phone XT2133, Main PWB, Metallic glue strip				0.03%	PET 80% Acrylic 20%	Main: Si Ni Cu; Other: Al P S Cl K Ca Fe Hf; Trace: Ti V Cr Mn Zn Y Zr Nb Mo Sn Sb Cs Ba La.	Reportable: Al Si 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)
EV2218-10	20-229 Smart Phone XT2133, Main PWB, Humidity indicator				0.01%	Paper 40% PET 40% Acrylic 20%	Main: Si Ca Ti; Other: Al P S Cl K; Trace: Cr Fe Ni Cu Sn.	Reportable: Al Si;
EV2218-11	20-229 Smart Phone XT2133, Main PWB, Pink thermal paste				3.03%	Silicone	Main: Al Si; Other: P Ca Fe Y Zr; Trace: Cl K Ti Ni Cu Zn Ga Sn Hf.	Reportable: Al Si P Fe Y;
EV2218-12	20-229 Smart Phone XT2133, Main PWB, Metal pin 1				0.40%		Main: S Cr Mn Fe Ni; Other: Al Si P Ca V Co Cu W; Trace: Ti Zn Ga Ge Mo.	Reportable: Al Cr Fe Co W; Controlled: Ni.
EV2218-13	20-229 Smart Phone XT2133, Main PWB, Metal lever				0.16%		Main: Al S Cr Mn Fe Ni; Other: Si P Ca V Co Cu Mo; Trace: Ti Ga Ge Zr Nb Sn.	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
EV2218-14	20-229 Smart Phone XT2133, Main PWB, Black glue strip				0.02%	PAI 80% Silicone 20%	Main: Si; Other: Al P S Cl Ca Sn; Trace: K Ti Cr Mn Fe Ni Cu.	Reportable: Al Si;
EV2218-15	20-229 Smart Phone XT2133, Main PWB, Metal pins 2				0.19%		Main: Al S Cr Mn Fe Ni; Other: Si P Ca Ti V Co Cu Ge Mo; Trace: Zr Nb Sn.	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
EV2218-16	20-229 Smart Phone XT2133, Main PWB, Black plastic parts				0.01%	PPA	Main: Al Si P S Ca; Other: Cl K Ti Fe Zn; Trace: V Cr Mn Ni.	Reportable: Al Si P Fe Zn;
EV2218-17	20-229 Smart Phone XT2133, Main PWB, Metal strip				0.03%		Main: Al S Ni Cu; Other: Si P Ca Ti Cr Co Ga Ta Au; Trace: V Mn Fe Ge Mo Sn.	Reportable: Al Cr Co Cu Ta Au; Controlled: Ni.
EV2218-18	20-229 Smart Phone XT2133, Main PWB, Black plastic frame				0.35%	Polyester GF	Main: Al Si K Ca; Other: P S Ti Mn Fe Rb Sr; Trace: Cl V Cr Co Ni Cu Zn Ga Zr Nb Sn Ba W.	Reportable: Al Si Fe Co Rb;

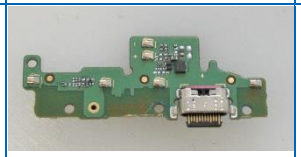
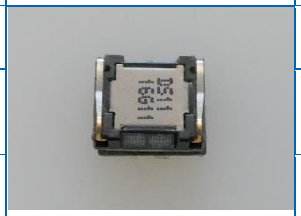
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
EV2219-00	20-229 Smart Phone XT2133, Battery		68.347	32.04%				
EV2219-01	20-229 Smart Phone XT2133, Battery, Battery Flex				1.656		Main: Si S Ni Cu; Other: P Cl K Ca Ti V Fe Zn Sr Zr Ag Sn Ba Yb; Trace: Br Rb In La Ce. See x, y – Scan (Chapter 4)	Reportable: Si P Fe Cu Zn Ag Sn Ba; **Controlled**: Ni BFR* **Pb**.
EV2219-02	20-229 Smart Phone XT2133, Battery, Black plastic				0.349	PC	Main: P; Other: Al Si S Cl K; Trace: Ca Ti V Cr Mn Ni.	Reportable: Al Si P;
EV2219-03	20-229 Smart Phone XT2133, Battery, White glue strip				0.026	PET 80% Acrylic 20%	Main: Si Ti; Other: Al P S Cl K Ca V Fe; Trace: Cr Mn Ni Cu Zn Nb Mo.	Reportable: Al Si Fe;
EV2219-04	20-229 Smart Phone XT2133, Battery, Black glue strip 1				0.044	PAI 80% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Ti; Trace: V Cr Mn Fe Ni Zn.	Reportable: Al Si;
EV2219-05	20-229 Smart Phone XT2133, Battery, Yellow glue strips 1				0.257	PAI 80% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Fe; Trace: Ti V Cr Mn Ni Zn.	Reportable: Al Si Fe;
EV2219-06	20-229 Smart Phone XT2133, Battery, Black rubber strip 1				0.058	Silicone 40% PET 40% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Mn Fe Zn; Trace: Ti V Cr Co Ni Ga Sb.	Reportable: Al Si Fe Co Zn;
EV2219-07	20-229 Smart Phone XT2133, Battery, Black rubber strip 2				0.053	PUR 60% PET 20% Acrylic 20%	Other: Al Si P S Cl K Ca Ti Fe; Trace: V Cr Mn Ni Cu Zn Sb.	Reportable: Al Si P Fe;
EV2219-08	20-229 Smart Phone XT2133, Battery, Outer metal foil				2.081	Metal 70% PP 15% PA 15%	Main: Al Fe; Other: Si P S Cl K Ca Ti Cu Ga Ce; Trace: V Mn Co Ni Zn.	Reportable: Al Si Fe Co Ce;
EV2219-09	20-229 Smart Phone XT2133, Battery, Green glue strips				0.374	PET 80% Acrylic 20%	Main: Al Co; Other: Si P S Ca Ti Ni Cu Zn; Trace: K Rb Sr Zr Sb I Cs Ba La Ce W Au.	Reportable: Al P Co Cu Zn; Controlled: Ni.
EV2219-10	20-229 Smart Phone XT2133, Battery, Copper foil				6.543		Main: P S Cu; Other: Al Si Ca Cr Co Ni Zn W; Trace: Ti V Ga Ge Bi.	Reportable: Al Cr Co Cu W;

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)
EV2219-11	20-229 Smart Phone XT2133, Battery, Silver foil				5.353		Main: Al P Fe Co Cu; Other: Si S Ca Ti V Cr Mn Ni Zn Ga; Trace: As Br Zr Nb Mo Sb W Pb Bi.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.
EV2219-12	20-229 Smart Phone XT2133, Battery, White foil				4.164	PE	Main: Al P S; Other: Si Ca Co Cu; Trace: Cl K Ti V Cr Mn Fe.	Reportable: Al P Co Cu;
EV2219-13	20-229 Smart Phone XT2133, Battery, Yellow glue strips 2				0.028	PAI 80% SB 20%	Main: Al Si P S Cu; Other: Cl K Ca Co; Trace: Ti V Cr Mn Ni.	Reportable: Al Si P Co Cu;
EV2219-14	20-229 Smart Phone XT2133, Battery, Clear glue strips 1				0.035	PET 80% SB 20%	Other: Al Si P S Cl Ca Co; Trace: K Ti V Cr Mn Fe Ni Cu.	Reportable: Al Si P Co;
EV2219-15	20-229 Smart Phone XT2133, Battery, Contact strip 1				0.008		Main: Al; Other: Si P S Ca Ti Fe; Trace: V Cr Mn Co Ni Cu Zn Ga.	Reportable: Al Fe Co;
EV2219-16	20-229 Smart Phone XT2133, Battery, Contact strip 2				0.038		Main: Al; Other: Si P S Ca Ti Fe Co Cu; Trace: V Cr Mn Ni Zn Ga.	Reportable: Al Fe Co;
EV2219-17	20-229 Smart Phone XT2133, Battery, Contact strip 3				0.178		Main: Al Ni Cu; Other: Si P S Ca Ti Cr Fe Co Ta Tl; Trace: V Mn Ga Ge.	Reportable: Al Cr Fe Co Cu Ta Tl; Controlled: Ni.
EV2219-18	20-229 Smart Phone XT2133, Battery, Clear glue strips 2				0.002	PP	Main: Al; Other: Si P S Cl K Ca Co Cu; Trace: Ti V Cr Mn Fe Ni.	Reportable: Al Si P Co;
EV2219-19	20-229 Smart Phone XT2133, Battery, Carbon coating				43.421		Main: P Co Cu; Other: Al Si S; Trace: Cl K Ca Ti Cr Ni Y Zr Ce W.	Reportable: Al P Co Cu;
EV2220-00	20-229 Smart Phone XT2133, Nets 1-4		0.054	0.03%				
EV2220-01	20-229 Smart Phone XT2133, Nets 1				1.85%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ti; Trace: Ca Cr Fe Ni Zn Mo Ag Sb I Cs Ba.	Reportable: Al 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)
EV2220-02	20-229 Smart Phone XT2133, Nets 2				22.22%	PUR 60% PET 20% Acrylic 20%	Main: Ca; Other: Al Si P S Cl K Ti Fe; Trace: V Cr Mn Co Ni Cu Zr.	Reportable: Al Si Fe Co;
EV2220-03	20-229 Smart Phone XT2133, Red rubber				42.59%	Silicone	Main: Al Si; Other: P S Cl Ca Zn; Trace: K Ti Cr Fe Ni Zr Sn Ba.	Reportable: Al Si;
EV2220-04	20-229 Smart Phone XT2133, Nets 3				11.11%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti; Trace: Cr Mn Fe Ni Cu Zn Zr Mo Sn Sb.	Reportable: Al Si;
EV2220-05	20-229 Smart Phone XT2133, Nets 4				22.22%	PC	Main: Si; Other: Al P S Cl K Ca; Trace: Ti V Cr Mn Fe Co Ni.	Reportable: Al Si Co;
EV2221-00	20-229 Smart Phone XT2133, Bottom speaker		1.702	0.80%				
EV2221-01	20-229 Smart Phone XT2133, Bottom speaker, Flex				0.71%		Main: Si P S Cu; Other: Cl K Ca Ti Fe Zn Zr Ag Sn Yb W; Trace: Mn Ga Mo In.	Reportable: Si P Fe Cu Zn Ag Sn W;
EV2221-02	20-229 Smart Phone XT2133, Bottom speaker, Metal housing				36.43%		Main: P Fe Ni; Other: Al Si S Ca Ti Mn Co Zn Sb; Trace: Cr Cu Ga Mo Sn Pb Bi.	Reportable: Al Fe Co Zn Sb; Controlled: Ni.
EV2221-03	20-229 Smart Phone XT2133, Bottom speaker, Metal plate				13.92%		Main: P Fe Ni; Other: Al Si S Ti Mn Co Sb; Trace: Ca Cr Zn Ga Ge Mo Sn Bi.	Reportable: Al Fe Co Sb; Controlled: Ni.
EV2221-04	20-229 Smart Phone XT2133, Bottom speaker, Copper wires				4.64%		Main: Al Si S Cu Ag; Other: P Ca Ni Zn Ga Tl; Trace: Ti V Cr Mn Co Ge Bi.	Reportable: Al Co Cu Ag Tl; Controlled: Ni.
EV2221-05**	20-229 Smart Phone XT2133, Bottom speaker, Magnet				33.84%		Main: Fe Zn; Other: Al Si P S Ca Ti Cr Co Ni Cu Ge Zr Nb Sn W; Trace: V Ga.	Reportable: Al Cr Fe Co Cu Zn W Au; Controlled: Ni.
EV2221-06	20-229 Smart Phone XT2133, Bottom speaker, Black/silver foil				0.82%	Metal 60% PET 20% Fluorpolymer 20%	Main: Al Si S; Other: P Cl K Ca Ti Mn Fe; Trace: Cr Ni Cu Zn Ga Sn Ba.	Reportable: Al Si P 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)
EV2221-07	20-229 Smart Phone XT2133, Bottom speaker, Black plastic frame				7.11%	PA GF	Main: Al Si Ca; Other: P S Cl K Ti Cr Fe Ni Sr; Trace: V Mn Cu Zn Zr Sn.	Reportable: Al Si P Cr Fe;
EV2221-08	20-229 Smart Phone XT2133, Bottom speaker, Membrane				0.65%	PPS/PC 90% PUR 10%	Main: Al Si; Other: P S Cl K Ca Ti Fe Ni Zn Sn; Trace: V Cr Mn Co Cu Zr Mo.	Reportable: Al Si P Fe Co;
EV2221-09	20-229 Smart Phone XT2133, Bottom speaker, Contact plates				1.00%		Main: Al Si S Cr Fe Ni Sn; Other: P Ti V Mn Co Cu Zn Ga Ge Mo W; Trace: Nb.	Reportable: Al Cr Fe Co Cu Zn Sn W; Controlled: Ni.
EV2221-10	20-229 Smart Phone XT2133, Bottom speaker, Clear glue				0.76%	PUR	Main: Si P S; Other: Al Cl K Ca; Trace: Ti V Cr Mn Fe Ni Cu Zn Mo.	Reportable: Al Si P;
EV2221-11	20-229 Smart Phone XT2133, Bottom speaker, Pink glue				0.06%	Acrylic	Other: Al Si P K Ca Fe Ni Cu Ag Sn; Trace: S Ti Cr Mn Zn Br Mo Hf.	Reportable: Al Si P Fe Cu Ag Sn;
EV2221-12	20-229 Smart Phone XT2133, Bottom speaker, Blue glue				0.06%	PA PAN	Main: Si P S; Other: Al Cl K; Trace: Ca Ti V Cr Mn Ni Cu Sn.	Reportable: Al Si P;
EV2222-00	20-229 Smart Phone XT2133, Black cable		0.163	0.08%				
EV2222-01	20-229 Smart Phone XT2133, Black cable, Golden metal contact holder				20.25%		Main: S Ni Cu Sn; Other: Al Si P Ca Ge Au; Trace: Ti Mn Co Ga Bi.	Reportable: Al Co Cu Sn Au; Controlled: Ni.
EV2222-02	20-229 Smart Phone XT2133, Black cable, Black plastic part				2.45%	PP	Main: Al Si Ca; Other: P S Cl K Ti Fe Ni; Trace: V Cr Mn Co Cu Zn Zr Nb Mo Au.	Reportable: Al Si Fe Co;
EV2222-03	20-229 Smart Phone XT2133, Black cable, Golden contacts				1.23%		Main: Al Si S Ni Cu Sn Au; Other: P Ca Ti V Cr Mn Ga Ge Mo; Trace: Fe Co Nb.	Reportable: Al Cr Co Cu Sn Au; Controlled: Ni.

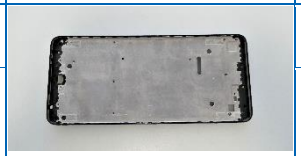
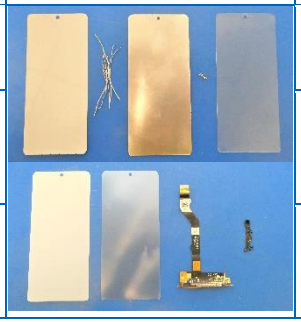
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds 1)
EV2222-04	20-229 Smart Phone XT2133, Black cable, Black cable jacket				12.88%	PTFE	Other: Al Si P S Cl K Ca Ti; Trace: V Cr Mn Fe Co Ni Cu.	Reportable: Al Si Co;
EV2222-05	20-229 Smart Phone XT2133, Black cable, Wires				39.26%		Main: Cu Sn; Other: Al Si P S Ni Zn Tl; Trace: V Cr Ga Ge.	Reportable: Al Cu Sn Tl;
EV2222-06	20-229 Smart Phone XT2133, Black cable, Inner white cable jacket				17.79%	PTFE	Main: S; Other: Al Si P Cl K Ca Ti Cu; Trace: V Cr Mn Ni Zn Ag Hf.	Reportable: Al Si Cu;
EV2222-07	20-229 Smart Phone XT2133, Black cable, Inner wires				6.13%		Main: S Cu Ag; Other: Al Si P Ca Ni Ga Ta Tl; Trace: Ti V Cr Co Zn Ge Mo.	Reportable: Al Co Cu Ag Ta Tl; Controlled: Ni.
EV2223-00	20-229 Smart Phone XT2133, White cable		0.235	0.11%				
EV2223-01	20-229 Smart Phone XT2133, White cable, Golden metal contact holder				11.91%		Main: S Ni Cu Sn Au; Other: Al Si P Ca Ti Ga Ge Ta; Trace: V Cr Mn Co Tl.	Reportable: Al Co Cu Sn Ta Au; Controlled: Ni.
EV2223-02	20-229 Smart Phone XT2133, White cable, Black plastic part				0.85%	PP	Main: Al Si S Ca; Other: P Cl K Ti Fe; Trace: V Cr Mn Ni Cu Zr Mo.	Reportable: Al Si Fe;
EV2223-03	20-229 Smart Phone XT2133, White cable, Golden contacts				0.43%		Main: Al Si S Ni Cu Sn Au; Other: P Ca Ti V Cr Mn Fe Co Ga Ge Zr Nb Mo;	Reportable: Al Cr Fe Co Cu Sn Au; Controlled: Ni.
EV2223-04	20-229 Smart Phone XT2133, White cable, White cable jacket				23.83%	PTFE	Other: Al Si S K Ca Ti Zn; Trace: P Cl V Cr Mn Co Ni Cu Mo Sn.	Reportable: Al Si Co Zn;
EV2223-05	20-229 Smart Phone XT2133, White cable, Metal nets				44.26%	PTFE	Main: S Cu Sn; Other: Al Si P Ni Zn Tl; Trace: Ti Cr Mn Co Ga Ge.	Reportable: Al Co Cu Sn Tl; Controlled: Ni.
EV2223-06	20-229 Smart Phone XT2133, White cable, Inner white cable jacket				13.62%	PTFE	Main: S Cu; Other: Al Si P Cl Ti Zn Ag; Trace: K Ca V Cr Ni Mo.	Reportable: Al Si Cu Ag;
EV2223-07	20-229 Smart Phone XT2133, White cable, Inner wires				5.11%	PTFE	Main: S Cu Ag Ta; Other: Al Si P Ca Ti Ni Ga Ge Tl; Trace: V Cr Mn Co Zn Mo.	Reportable: Al Co Cu Ag Ta Tl;

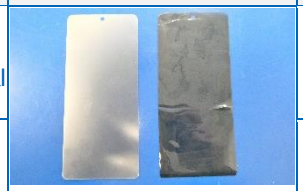
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
EV2224-00	20-229 Smart Phone XT2133, Connection flex		0.626	0.29%				
EV2224-01	20-229 Smart Phone XT2133, Connection flex				87.06%		Main: Si P S Ti Fe Ni Cu; Other: Cl K Ca Cr Mn Zn Zr Mo Ag Sn Yb; Trace: Ga In.	Reportable: Si P Cr Fe Cu Zn Ag; Controlled: Ni.
EV2224-02	20-229 Smart Phone XT2133, Connection flex, Metallic glue strip				12.94%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Ca Ti Zn; Trace: Fe Y Zr Nb Sn Sb La Ce.	Reportable: Al Si Cu; Controlled: Ni.
EV2225-00	20-229 Smart Phone XT2133, Sub PWB		1.467	0.69%			Main: Si P S Ca Cr Fe Ni Cu Ag Sn; Other: Cl Ti V Mn Zn Sr Zr Ba Yb Au; Trace: Ga Br Mo Pd In Pb. See x, y – Scan (Chapter 4)	Reportable: Si P Cr Fe Cu Zn Ag Sn Ba Au; **Controlled**: Ni **Pb**.
EV2226-00	20-229 Smart Phone XT2133, Top speaker		0.399	0.19%				
EV2226-01	20-229 Smart Phone XT2133, Top speaker, Black cloth net				0.25%	PET	Main: Si S; Other: Al P Cl K Ca Ti Fe Ni; Trace: Cr Mn Co Cu Zn Sn.	Reportable: Al Si Fe Co;
EV2226-02	20-229 Smart Phone XT2133, Top speaker, Black shock pad				1.50%	PUR 60% PET 20% Acrylic 20%	Other: Al Si K Ca Fe; Trace: P S Cl Ti V Cr Mn Ni Cu Zn Mo Sn.	Reportable: Al Si Fe;
EV2226-03	20-229 Smart Phone XT2133, Top speaker, Metal frame				18.05%		Main: P S Ni Cu Sn; Other: Al Si Ca Ti Co Zn; Trace: V Cr Mn Ga Ge Sb Bi.	Reportable: Al Co Cu Zn Sn Au; Controlled: Ni.
EV2226-04	20-229 Smart Phone XT2133, Top speaker, Silver glue strip				0.75%	Metal 60% PET 20% Acrylic 20%	Main: Al; Other: Si S K Ca Fe; Trace: P Cl Ti V Cr Mn Ni Cu Mo In Sn Sb Te I Cs.	Reportable: Al Si Fe;
EV2226-05	20-229 Smart Phone XT2133, Top speaker, Membrane				0.25%	PPS/PC	Main: Si; Other: Al P S Cl K Ca; Trace: Ti V Cr Mn Fe Ni Cu Sn.	Reportable: Al 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)
EV2226-06	20-229 Smart Phone XT2133, Top speaker, Copper wires				3.01%		Main: Si S Cu Ag; Other: Al P Ca Ti Cr Mn Ni Zn Ga Ge Ta Tl; Trace: V Co Nb Mo Sn.	Reportable: Al Cr Co Cu Zn Ag Ta Tl; Controlled: Ni.
EV2226-07	20-229 Smart Phone XT2133, Top speaker, Black plastic frame				10.78%	PA GF	Main: Al Si Ca; Other: P S Cl K Ti Fe Sr; Trace: V Cr Mn Ni Cu Zn Zr Sn.	Reportable: Al Si Fe;
EV2226-08**	20-229 Smart Phone XT2133, Top speaker, Magnet				29.57%		Main: Al Si Fe Zn; Other: P S Ca Ti V Cr Co Ni Cu Ga Ge Zr Nb W; Trace: Mn Sn Sb Tl.	Reportable: Al Cr Fe Co Cu Zn W Au;
EV2226-09	20-229 Smart Phone XT2133, Top speaker, Metal housing				21.05%		Main: P Fe Ni; Other: Al Si S Ca Cr Mn Co Cu Zn; Trace: Ti Ga Ge.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.
EV2226-10	20-229 Smart Phone XT2133, Top speaker, Metal plate				9.77%		Main: Fe Zn; Other: Al Si P S Ca Cr Mn Co Ni; Trace: Ga Ge.	Reportable: Al Cr Fe Co Zn;
EV2226-11	20-229 Smart Phone XT2133, Top speaker, Clear glue strip				0.25%	PET 80% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca; Trace: Ti Cr Mn Fe Ni Cu Nb Mo Ag Sn Sb.	Reportable: Al Si;
EV2226-12	20-229 Smart Phone XT2133, Top speaker, Contacts				4.26%		Main: S Cr Fe Ni Sn; Other: Al Si P V Mn Co Cu Ga Ge Mo Au; Trace: Nb.	Reportable: Al Cr Fe Co Cu Sn Au; Controlled: Ni.
EV2226-13	20-229 Smart Phone XT2133, Top speaker, White cloth nets				0.25%	PET 80% Acrylic 20%	Other: Al Si Ti; Trace: P K Ca Ni Nb Mo Ag Sn Sb.	Reportable: Al;
EV2226-14	20-229 Smart Phone XT2133, Top speaker, Clear glue				0.25%	PUR	Main: Si P; Other: Al S Cl K Ca Fe Ni; Trace: Ti V Cr Mn Cu Zn Mo.	Reportable: Al Si P Fe; 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)
EV2227-00	20-229 Smart Phone XT2133, Vibra call		0.910	0.43%				
EV2227-01	20-229 Smart Phone XT2133, Vibra call, Metal part 1				60.33%		Main: S Ni Cu W; Other: Al Si P Ca Ti Mn Fe Zn Ge; Trace: V Cr Ga.	Reportable: Al Fe Cu Zn W Au; Controlled: Ni.
EV2227-02	20-229 Smart Phone XT2133, Vibra call, Metal axis				2.64%		Main: Al Si S Cr Fe; Other: P Ca Ti V Ni Cu Ga Ge Zr Nb Mo; Trace: Zn Sn.	Reportable: Al Cr Fe Cu; Controlled: Ni.
EV2227-03**	20-229 Smart Phone XT2133, Vibra call, Magnet				3.19%		Main: Al Si P S Ca Fe Co Ni; Other: Ti V Cr Mn Cu Zn Ga Ge Zr Nb Mo W Tl; Trace: Bi.	Reportable: Al Cr Fe Co Cu Zn W Tl; Controlled: Ni As.
EV2227-04	20-229 Smart Phone XT2133, Vibra call, Metal housing				15.49%		Main: P Fe Ni; Other: Al Si S Ca Ti Mn Co Bi; Trace: Cr Zn Ga Ge Mo.	Reportable: Al Fe Co Bi; Controlled: Ni.
EV2227-05	20-229 Smart Phone XT2133, Vibra call, Rubber cover				3.30%	Butylrubber	Main: Al Si; Other: P S Cl K Ca Ti Fe Ni Zn; Trace: V Cr Mn Cu Sr Zr Mo W.	Reportable: Al Si Fe Zn;
EV2227-06	20-229 Smart Phone XT2133, Vibra call, Metal part 2				0.33%		Main: Al Si S Ni Cu Sn Ta Au; Other: Ca Ti V Cr Mn Ga Ge Ag; Trace: Co Nb Mo.	Reportable: Al Cr Co Cu Ag Sn Ta Au; Controlled: Ni.
EV2227-07	20-229 Smart Phone XT2133, Vibra call, Metal ring				0.11%		Main: Si P S Ca Ti Fe Zn Br; Other: V Cr Mn Co Ni Cu Zr Nb Mo W Au; Trace: Ga Sb Tl Bi.	Reportable: Cr Fe Co Cu Zn W Au; Controlled: Ni.
EV2227-08	20-229 Smart Phone XT2133, Vibra call, White plastic				0.11%	Polyester	Main: S; Other: Al Si P Cl Ca Ti; Trace: K V Cr Mn Fe Ni Cu.	Reportable: Al Si;
EV2227-09	20-229 Smart Phone XT2133, Vibra call, Copper wires				1.10%		Main: S Cu; Other: Al Si P Ca Ti Ni Zn Sn; Trace: V Cr Co Ga Ge Mo W Bi.	Reportable: Al Co Cu; Controlled: Ni.
EV2227-10**	20-229 Smart Phone XT2133, Vibra call, Metal plates				6.37%		Main: Al Si S Fe; Other: P Ca Ti Cr Mn Ni Cu Ga Ge; Trace: Zr Nb Mo Sn Pb.	Reportable: Al 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)
EV2227-11	20-229 Smart Phone XT2133, Vibra call, Black plastic ring 1				0.44%		Main: S; Other: Al Si P Cl Ca Ti Sr Nb Ba; Trace: K Fe Co Ni Cu Zr Sn.	Reportable: Al Si Co Ba;
EV2227-12	20-229 Smart Phone XT2133, Vibra call, Contact wires				0.11%		Main: Al Si P S Ni Cu; Other: Ca Ti V Cr Mn Fe Co Zn Ga Se Zr Nb Mo Ag Sn Au; Trace: Ge.	Reportable: Al Cr Fe Co Cu Zn Se Ag Sn Au; Controlled: Ni.
EV2227-13	20-229 Smart Phone XT2133, Vibra call, Contact plates				0.33%		Main: S Fe Cu Sn; Other: Al Si P Ca Cr Mn Co Ni Ga Ge Ag; Trace: Ti V Zr Nb Mo Au.	Reportable: Al Cr Fe Co Cu Ag Sn; Controlled: Ni.
EV2227-14	20-229 Smart Phone XT2133, Vibra call, Golden metal ring				0.11%		Main: Al Si S Fe Cu; Other: P Ca Ti V Cr Mn Ni Zn Ga Ge Zr Nb Mo Sn;	Reportable: Al Cr Fe Cu Zn Sn; Controlled: Ni.
EV2227-15	20-229 Smart Phone XT2133, Vibra call, Black plastic part				1.21%	PA	Main: Al Si Ca; Other: P S Cl K Ti Fe; Trace: V Cr Mn Ni Cu Sr Zr Nb Sn.	Reportable: Al Si Fe;
EV2227-16	20-229 Smart Phone XT2133, Vibra call, Metallic shock pad				0.11%	PUR 60% PET 20% Acrylic 20%	Main: Al Si Ni Cu; Other: P S Cl K Ca Ti Fe; Trace: Nb Mo Ag Sn Sb.	Reportable: Al Si P Fe Cu; Controlled: Ni.
EV2227-17	20-229 Smart Phone XT2133, Vibra call, Flex				4.62%		Main: Si P S Cr Fe Ni Cu; Other: Cl K Ca Ti Mn Co Zn Zr Ag Sn W Au; Trace: V Ga Ge Br Mo In.	Reportable: Si P Cr Fe Co Cu Zn Ag Sn W Au; Controlled: Ni.
EV2227-18	20-229 Smart Phone XT2133, Vibra call, Black plastic ring 2				0.11%		Main: S; Other: Al Si P Cl K Ca; Trace: Ti V Cr Mn Fe Ni Sr Zr Nb Mo.	Reportable: Al 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)]
EV2228-00	20-229 Smart Phone XT2133, Button flex		0.287	0.13%				
EV2228-01	20-229 Smart Phone XT2133, Button flex				92.33%		Main: Cr Fe Ni Cu; Other: Si P S Cl K Ca Ti Mn Zn Zr Ag Yb Au; Trace: V Ga Ge As Se Br Mo In Sn Sb.	Reportable: Si P Cr Fe Cu Zn Ag Au; Controlled: Ni.
EV2228-02	20-229 Smart Phone XT2133, Button flex, Glue strip				7.67%	PET 80% Acrylic 20%		
EV2229-00	20-229 Smart Phone XT2133, Inner housing		36.010	16.88%				
EV2229-01	20-229 Smart Phone XT2133, Inner housing, Metal part				85.92%		Main: Al Si Cu; Other: P S Ca Ti Cr Mn Fe Ni Zn Zr Sn Pb; Trace: V Ga W Bi.	Reportable: Al Cr Fe Cu Zn; **Controlled**: Ni **Pb**.
EV2229-02	20-229 Smart Phone XT2133, Inner housing, Black plastic part				13.93%	PC GF	Main: Si Ca; Other: Al S Cl K Ti Fe; Trace: P Ni Cu Sr.	Reportable: Al Si Fe;
EV2229-03	20-229 Smart Phone XT2133, Inner housing, Golden screw insert				0.15%		Main: Si S Cu Zn Pb; Other: Al P Ca Ti Mn Fe Ni Ga Ge Sn Ta W Tl Bi; Trace: V Cr Sb.	Reportable: Al Fe Cu Zn Sn Ta W Tl Bi; **Controlled**: Ni **Pb**.
EV2229-04	20-229 Smart Phone XT2133, Inner housing, White plastic part				0.00%	PMMA	Main: S; Other: Al Si P Cl Ca Ba; Trace: K V Cr Mn Ni Cu.	Reportable: Al Si Ba;
EV2230-00	20-229 Smart Phone XT2133, Display assembly		21.755	10.20%				
EV2230-01	20-229 Smart Phone XT2133, Display assembly, Display Reflection foil				5.63%	PET	Other: Al Si P S Cl K Ca Ag; Trace: Ti V Cr Mn Ni Sb.	Reportable: Al Si Ag;
EV2230-02	20-229 Smart Phone XT2133, Display assembly, Display plastic frame				0.75%	PC	Main: Si Ti; Other: Al P S Cl K Ca V Fe; Trace: Mn Ni Cu Zn Zr Nb.	Reportable: Al Si P 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)]
EV2230-03	20-229 Smart Phone XT2133, Display assembly, Display metal plate				40.20%		Main: Cr Mn Fe Ni; Other: Al Si P S V Co Cu Mo W; Trace: Ca Ti Zn Ga Ge Sn.	Reportable: Al Cr Fe Co Cu W; Controlled: Ni.
EV2230-04	20-229 Smart Phone XT2133, Display assembly, Display black/white glue strip				0.03%	PET 80% Acrylic 20%	Main: Ti; Other: Al Si P S Cl K Ca V Cu Nb; Trace: Fe Co Ni Zn Zr Mo Sn Sb.	Reportable: Al Si Co;
EV2230-05	20-229 Smart Phone XT2133, Display assembly, Display diffuser plate				27.52%	PC	Other: Al Si P Cl Ni; Trace: K Ca Ti V Cr Mn.	Reportable: Al;
EV2230-06	20-229 Smart Phone XT2133, Display assembly, Display diffuser foil				4.22%	PET 80% PMMA 20%	Main: Al Si P Ti; Other: S Cl K Ca Zr Hf; Trace: Cr Ni Cu Y Nb Sb.	Reportable: Al Si P;
EV2230-07	20-229 Smart Phone XT2133, Display assembly, Display polarization foil 1				4.91%	PET 80% Styrol Methylmetacrylat 20%	Main: Zr; Other: Al Si S Cl Ca Hf; Trace: K Ti V Cr Mn Fe Co Ni Cu Y Nb Sb.	Reportable: Al Si Co;
EV2230-08	20-229 Smart Phone XT2133, Display assembly, Display flex				4.47%		Main: P Ni Cu; Other: Si S Cl K Ca Ti Cr Fe Zn Zr Ag Sn Ba La Ce Pr Nd W Au; Trace: Mn Ga Se Br Sr In Bi. See x, y – Scan (Chapter 4)	Reportable: Si P Cr Fe Cu Zn Ag Sn Ba La Ce Pr Nd W Au; **Controlled**: Ni **Pb**.
EV2230-09	20-229 Smart Phone XT2133, Display assembly, Display black glue strip				0.24%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti; Trace: V Cr Mn Fe Ni Cu.	Reportable: Al Si P;
EV2230-10	20-229 Smart Phone XT2133, Display assembly, Display polarization foil 2				7.11%	PET 80% PMMA 20%	Main: Si P Zr; Other: Al S Fe Y Hf; Trace: Cl K Ca Ti V Cr Co Ni Cu Sr Nb Sb.	Reportable: Al Si P Fe Co Y;

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)]
EV2230-11	20-229 Smart Phone XT2133, Display assembly, Display back foil				4.92%	Cellulose Polyester 40% Neoprene+CaCO3 40% Acrylic 20%	Main: S; Other: Al Si P Cl K Ca Ti I; Trace: V Cr Mn Fe Ni Sr Zr Mo.	Reportable: Al Si;
EV2231-00	20-229 Smart Phone XT2133, Front glass		31.953	14.98%			Main: Al Si Ca Sr; Other: P S Cl K Ti Fe Br Mo Sn I Ba; Trace: Cr Ni Cu Zn Ga Rb In Ce.	Reportable: Al Si Fe Sn Ba; Controlled: BFR*.

[1)] *Relevant compounds based on XRF Screening test results (selected chemical elements). For the speciation of the substances, further testing could be required. Cd, Cr and Pb are also REACH relevant substances*

* indicates potential presence of Brominated Flame Retardants (other than PBBs or PBDEs)

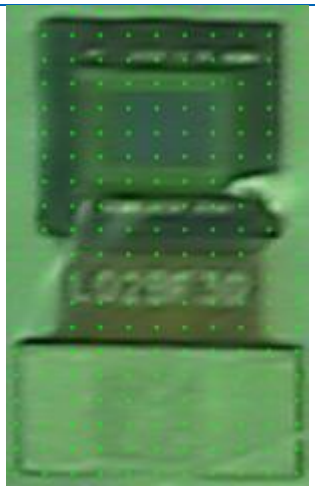
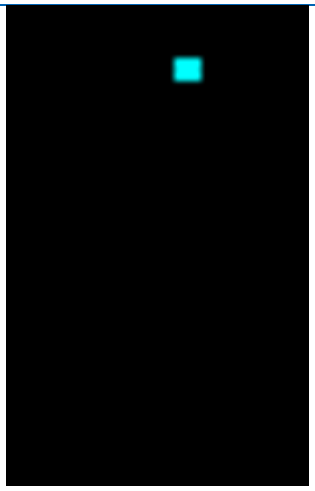
*** Probe auf CrVI geprüft mittels kolorimetrischem Verfahren / Sample tested for CrVI by colorimetric method.*

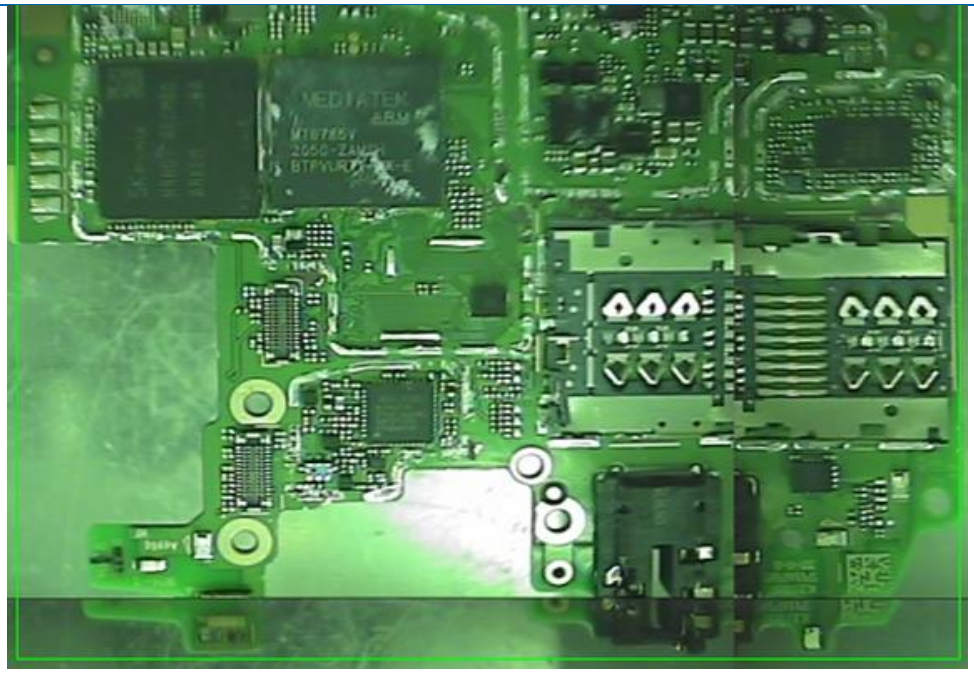
The determinable concentration of DEHP/BBP/DBP/DIBP may be > 0.1% by weight in homogeneous materials for material with a weight below 0.02 g.

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.

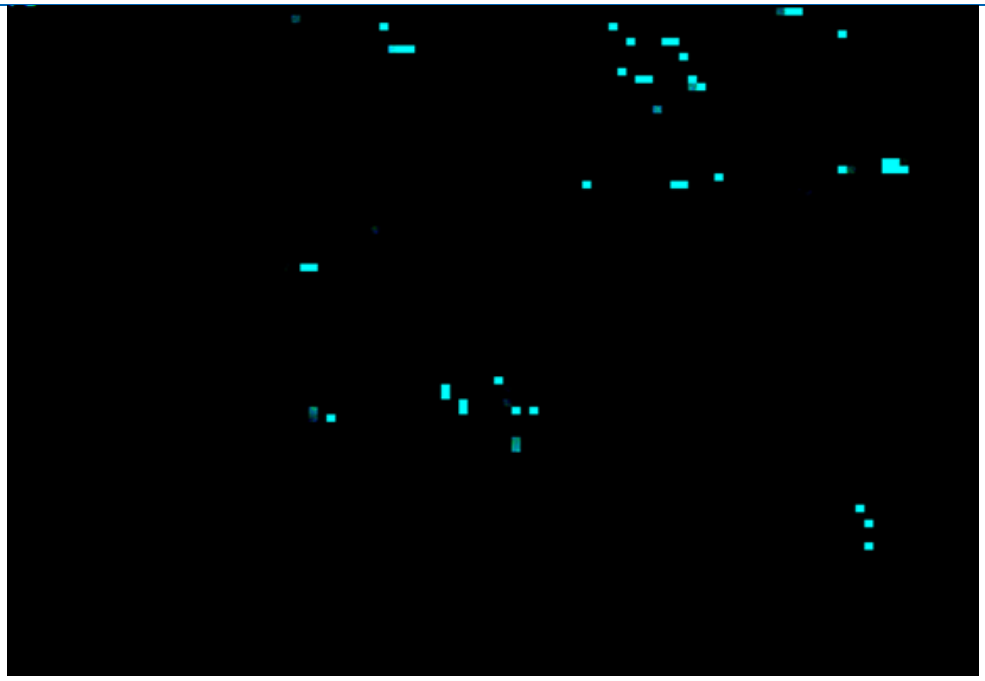
4 Results EDXRF Scan

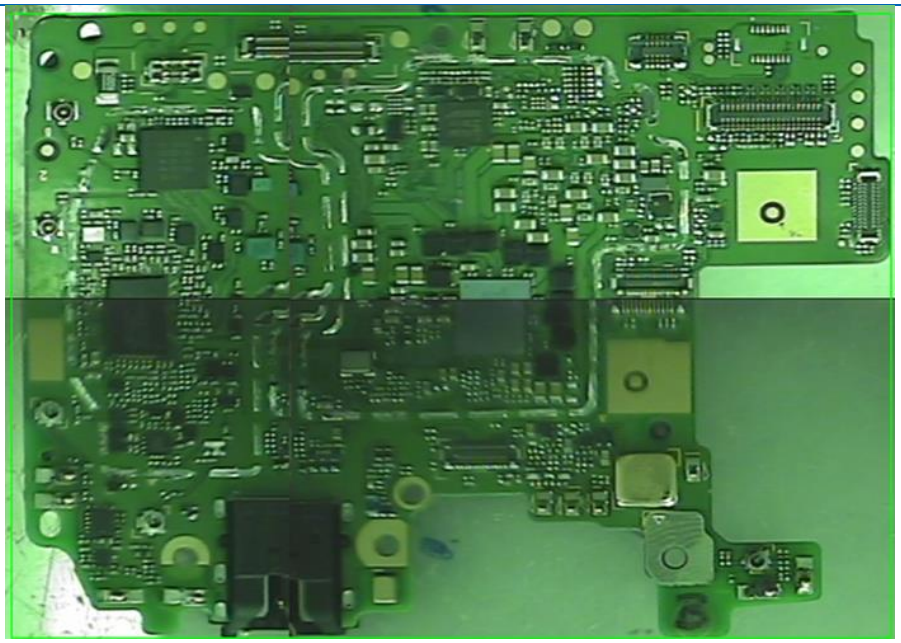
Results x,y Scan Sample EV2215-01

	
Bromine	
Not detected	Not detected
Lead	
Not detected	

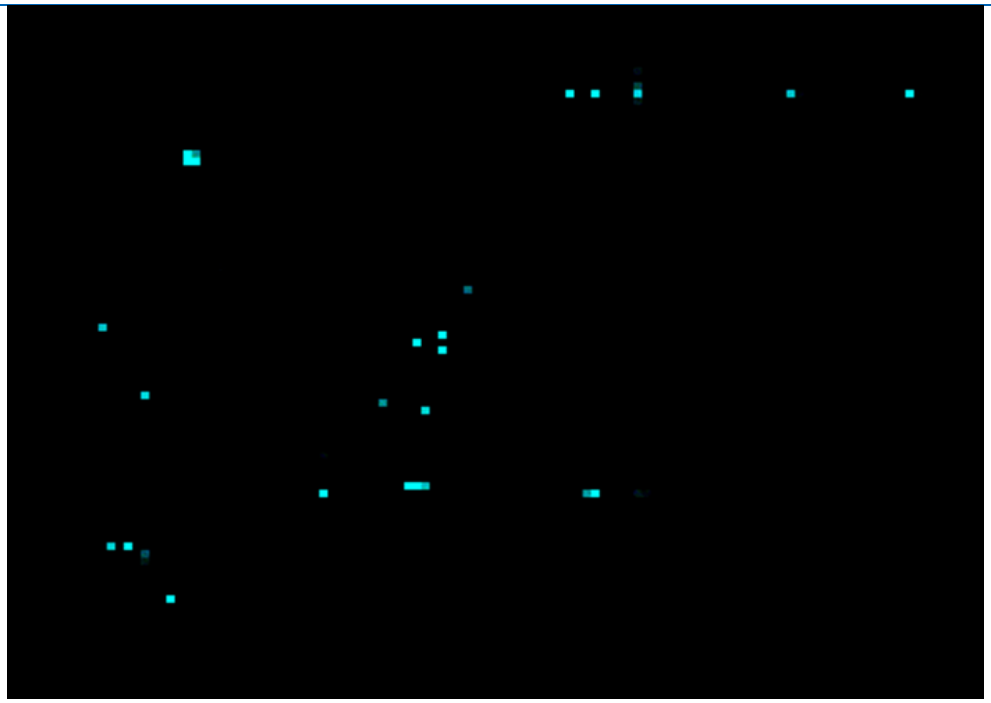


Bromine
Not detected
Lead



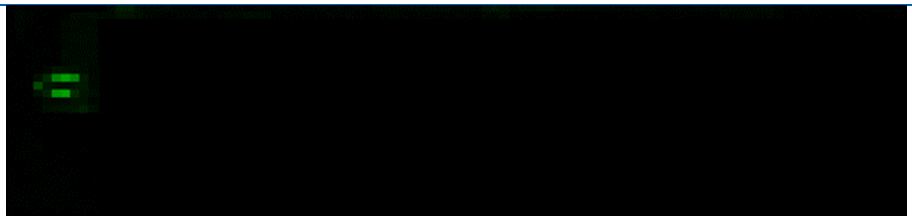


Bromine
Not detected
Lead

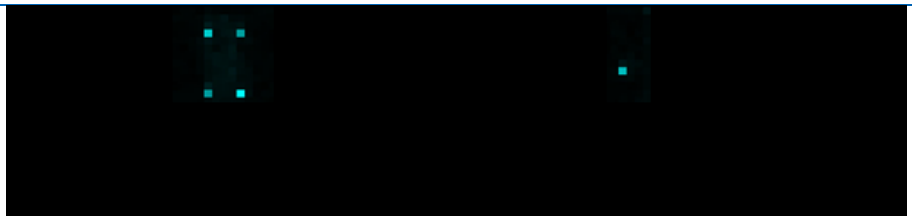


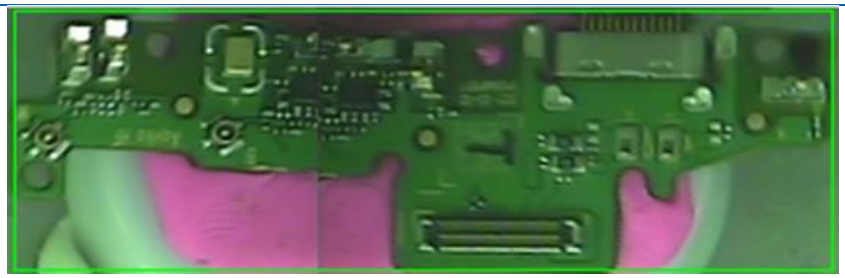


Bromine



Lead

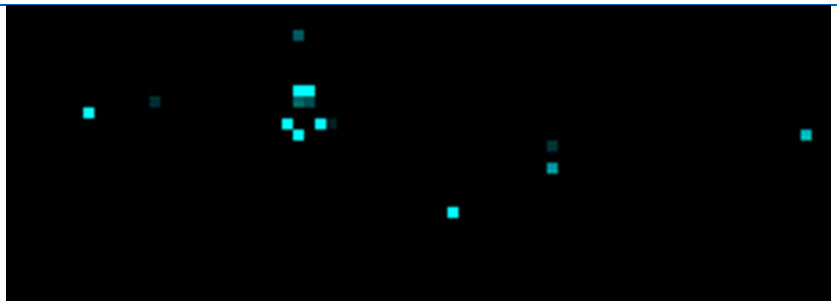


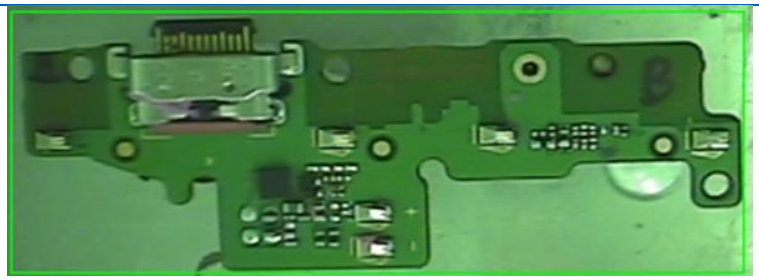


Bromine

Not detected

Lead





Bromine
Not detected
Lead





Bromine

Not detected

Lead



5 Summary of REACH 1907/2006/EC

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 June 25th, 2020, Annex XIV List dated February 07th, 2020 and Annex XVII List dated February 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)
20-229 Smart Phone XT2133	EX1170	-	-	Toluene (Entry 48)	0.001	< 0.001	**N**
		4,4'-isopropylidene-diphenol (BPA)	-	4,4'-isopropylidene-diphenol (BPA) (Entry 66)	0.012	0.002	**N**
	EX1171	4,4'-isopropylidene-diphenol (BPA)	-	4,4'-isopropylidene-diphenol (BPA) (Entry 66)	0.010	< 0.001	**N**
	EX1172	-	-	Toluene (Entry 48)	0.002	< 0.001	**N**
		4,4'-isopropylidene-diphenol (BPA)	-	4,4'-isopropylidene-diphenol (BPA) (Entry 66)	0.006	< 0.001	**N**
		2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.020	< 0.001	**N**
	EX1173	-	-	Toluene (Entry 48)	0.017	< 0.001	**N**
	EX1174	-	-	Toluene (Entry 48)	0.001	< 0.001	**N**
		Octamethyl-cyclotetrasiloxane (D4)	-	Octamethyl-cyclotetrasiloxane (D4) (Entry 70)	0.005	< 0.001	**N**
	EX1175	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	4-methyl-m-phenylenediamine (toluene-2,4-diamine) (Entry 43)	0.001	< 0.001	**N**

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)
		4,4'-isopropylidene-diphenol (BPA)	-	4,4'-isopropylidene-diphenol (BPA) (Entry 66)	0.005	< 0.001	**N**
		-	-	4,4'-Methylenediphenyl diisocyanate (Entry 56)	0.009	< 0.001	**N**
	EX1176	Octamethyl-cyclotetrasiloxane (D4)	-	Octamethyl-cyclotetrasiloxane (D4) (Entry 70)	< 0.001	< 0.001	**N**
		4,4'-isopropylidene-diphenol (BPA)	-	4,4'-isopropylidene-diphenol (BPA) (Entry 66)	0.005	< 0.001	**N**
		-	-	4,4'-Methylenediphenyl diisocyanate (Entry 56)	0.002	< 0.001	**N**
	EX1177	-	-	4,4'-Methylenediphenyl diisocyanate (Entry 56)	0.027	< 0.001	**N**
	EX1178	4,4'-isopropylidene-diphenol (BPA)	-	4,4'-isopropylidene-diphenol (BPA) (Entry 66)	0.008	< 0.001	**N**
	EX1179	Octamethyl-cyclotetrasiloxane (D4)	-	Octamethyl-cyclotetrasiloxane (D4) (Entry 70)	0.005	< 0.001	**N**
		Decamethyl-cyclopentasiloxane (D5)	-	Decamethyl-cyclopentasiloxane (D5) (Entry 70)	0.001	< 0.001	**N**
		4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	4-methyl-m-phenylenediamine (toluene-2,4-diamine) (Entry 43)	0.002	< 0.001	**N**
		-	-	4,4'-Methylenediphenyl diisocyanate (Entry 56)	0.010	< 0.001	**N**

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)
	EX1180	Octamethyl-cyclotetrasiloxane (D4)	-	Octamethyl-cyclotetrasiloxane (D4) (Entry 70)	0.003	< 0.001	**N**
		Decamethyl-cyclopentasiloxane (D5)	-	Decamethyl-cyclopentasiloxane (D5) (Entry 70)	0.002	< 0.001	**N**
		-	-	Tetrahydro-2-furyl-methanol; tetrahydrofurfuryl alcohol (Entry 30)	< 0.001	< 0.001	**N**
		-	-	4,4'-Methylenediphenyl diisocyanate (Entry 56)	0.030	< 0.001	**N**
	EX1181	1,3-Propanesultone	-	1,3-Propanesultone (Entry 28)	0.131	0.001	**N[5)]**
		4,4'-isopropylidene-diphenol (BPA)	-	4,4'-isopropylidene-diphenol (BPA) (Entry 66)	0.007	< 0.001	**N**
		-	-	4,4'-Methylenediphenyl diisocyanate (Entry 56)	0.001	< 0.001	**N**
	EX1182	1,3-Propanesultone	-	1,3-Propanesultone (Entry 28)	0.205	0.048	**N[5)]**
	EX1183	4-tert-butylphenol[4)]	-	-	0.025	0.001	**N**
		2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.001	< 0.001	**N**
	EX1184	-	-	-	-	-	**N**
	EX1185	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.004	< 0.001	**N**

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)
	EX1186	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.002	< 0.001	**N**

[1] For the composition of fractions please refer to Chapter 7.
[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.
[5] Reporting required on the considering the battery as the article. Also, reporting is required on the homogeneous material level.

5.2 List of SVHC and Annex XIV substances

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)
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

* 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)]	
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) 9)]	**68.** Perfluorooctanoic acid [8) 9)]
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) [8)] (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
46. (a) Nonylphenol [1) 6)] (b) Nonylphenol ethoxylates [1) 6)]	**47.** Chromium VI compounds [1)]
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	**41.** Hexachloroethane[1)]

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)]	
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) 8)]
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) 9)]	**23.** Cadmium and its compounds [3)]
20. Organostannic compounds [3) 8)]	**21.** Di-µ-oxo-di-n-butylstanniohydroxyborane/ Dibutyltin hydrogen borate $C_8H_{19}BO_3Sn$ (DBB) [3) 8)]
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	**4.** Tris (2,3 dibromopropyl) phosphate [1) 6)]

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)]	
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.
[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
[8)] See Chapter " Global Compliance Acceptance Criteria (banned and controlled Substances)"
[9)] 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

PAH	EX1214
Benz[a]anthracene (µg/g)	ND
Chrysene (µg/g)	ND
Benzo[b]fluoranthene (µg/g)	ND
Benzo[k]fluoranthene (µg/g)	ND
Benzo[j]fluoranthene (µg/g)	ND
Benzo[e]pyrene (µg/g)	ND
Benzo[a]pyrene (µg/g)	ND
Dibenz[a,h]anthracene (µg/g)	ND
1907/2006/EC REACH Annex XVII Entry 50	**Pass**

ND: *Not detected*
Limit of Detection for all substances 0,2 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]
20-229 Smart Phone XT2133	213.292	28.366	EX1170	EV2205-00	20-229 Smart Phone XT2133, Backside cover	7.89%	16.834
				EV2211-01	20-229 Smart Phone XT2133, Top plastic cover	2.12%	4.524
				EV2211-02	20-229 Smart Phone XT2133, Top plastic cover, Bottom plastic cover, Black plastic	0.93%	1.992
				EV2229-02	20-229 Smart Phone XT2133, Inner housing, Black plastic part	2.35%	5.016

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.709	EX1171	EV2202-01	20-229 Smart Phone XT2133, Buttons, Black plastic	0.01%	0.028
				EV2213-02	20-229 Smart Phone XT2133, Front camera, Black plastic housing	0.03%	0.071
				EV2214-02	20-229 Smart Phone XT2133, Rear camera 1, Black plastic housing	0.04%	0.078
				EV2215-02	20-229 Smart Phone XT2133, Rear camera 2, Outer black plastic housing	0.03%	0.074
				EV2216-12	20-229 Smart Phone XT2133, Rear camera 3, Clear plastic lenses	0.03%	0.074
				EV2217-02	20-229 Smart Phone XT2133, Rear camera 4, Black plastic frame	0.04%	0.076
				EV2221-07	20-229 Smart Phone XT2133, Bottom speaker, Black plastic frame	0.06%	0.121

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.423	EX1172	EV2202-03	20-229 Smart Phone XT2133, Light guide 1	0.01%	0.029
				EV2213-04	20-229 Smart Phone XT2133, Front camera, Black plastic frame	0.01%	0.022
				EV2213-08	20-229 Smart Phone XT2133, Front camera, Clear plastic lenses	0.01%	0.03
				EV2216-03	20-229 Smart Phone XT2133, Rear camera 3, Black plastic frame 1	0.02%	0.053
				EV2216-09	20-229 Smart Phone XT2133, Rear camera 3, Black plastic frame 3	0.01%	0.026
				EV2216-11	20-229 Smart Phone XT2133, Rear camera 3, Black plastic lense housing	0.03%	0.069
				EV2217-04	20-229 Smart Phone XT2133, Rear camera 4, Black plastic lense housing	0.02%	0.041
				EV2217-06	20-229 Smart Phone XT2133, Rear camera 4, Clear plastic lenses	0.02%	0.05
				EV2218-18	20-229 Smart Phone XT2133, Main PWB, Black plastic frame	0.03%	0.06
				EV2226-07	20-229 Smart Phone XT2133, Top speaker, Black plastic frame	0.02%	0.043

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.147	EX1173	EV2202-04	20-229 Smart Phone XT2133, Light guide 2	0.01%	0.016
				EV2202-05	20-229 Smart Phone XT2133, Light guide 3	0.01%	0.014
				EV2214-05	20-229 Smart Phone XT2133, Rear camera 1, Clear plastic lenses	0.00%	0.01
				EV2215-03	20-229 Smart Phone XT2133, Rear camera 2, Inner black plastic housing	0.01%	0.013
				EV2215-06	20-229 Smart Phone XT2133, Rear camera 2, Clear plastic lenses	0.01%	0.011
				EV2216-05	20-229 Smart Phone XT2133, Rear camera 3, Black plastic frame 2	0.01%	0.022
				EV2220-02	20-229 Smart Phone XT2133, Nets 2	0.01%	0.012
				EV2220-04	20-229 Smart Phone XT2133, Nets 3	0.01%	0.026
				EV2220-05	20-229 Smart Phone XT2133, Nets 4	0.01%	0.012
				EV2227-15	20-229 Smart Phone XT2133, Vibra call, Black plastic part	0.01%	0.011

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.022	EX1174	EV2202-06	20-229 Smart Phone XT2133, Black plastic strip	0.00%	0.004
				EV2213-06	20-229 Smart Phone XT2133, Front camera, Black plastic ring	0.00%	0.001
				EV2215-04	20-229 Smart Phone XT2133, Rear camera 2, Black plastic ring	0.00%	0.001
				EV2217-07	20-229 Smart Phone XT2133, Rear camera 4, Black plastic ring	0.00%	0.001
				EV2218-16	20-229 Smart Phone XT2133, Main PWB, Black plastic parts	0.00%	0.001
				EV2220-01	20-229 Smart Phone XT2133, Nets 1	0.00%	0.001
				EV2222-02	20-229 Smart Phone XT2133, Black cable, Black plastic part	0.00%	0.004
				EV2223-02	20-229 Smart Phone XT2133, White cable, Black plastic part	0.00%	0.002
				EV2227-08	20-229 Smart Phone XT2133, Vibra call, White plastic	0.00%	0.001
				EV2227-11	20-229 Smart Phone XT2133, Vibra call, Black plastic ring 1	0.00%	0.004
				EV2229-04	20-229 Smart Phone XT2133, Inner housing, White plastic part	0.00%	0.001

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	2.79	EX1175	EV2199-01	20-229 Smart Phone XT2133, Shock pads 1+2+4+7+8+9	0.11%	0.235
				EV2201-00	20-229 Smart Phone XT2133, Black glue pads	0.18%	0.376
				EV2208-01	20-229 Smart Phone XT2133, Black glue strips 1+2+3+5	0.64%	1.357
				EV2208-07	20-229 Smart Phone XT2133, Clear glue strips	0.14%	0.298
				EV2218-11	20-229 Smart Phone XT2133, Main PWB, Pink thermal paste	0.25%	0.524

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.979	EX1176	EV2199-03	20-229 Smart Phone XT2133, Metallic shock pads 1+2	0.03%	0.06
				EV2202-02	20-229 Smart Phone XT2133, Buttons, Clear rubber strip	0.02%	0.048
				EV2208-03	20-229 Smart Phone XT2133, Black glue strip 6	0.08%	0.173
				EV2208-06	20-229 Smart Phone XT2133, Copper glue strip 2	0.03%	0.063
				EV2208-10	20-229 Smart Phone XT2133, Metallic glue strips	0.03%	0.054
				EV2209-03	20-229 Smart Phone XT2133, Rubber cover 2	0.09%	0.189
				EV2209-04	20-229 Smart Phone XT2133, Rubber cover 3	0.05%	0.1
				EV2218-02	20-229 Smart Phone XT2133, Main PWB, Black glue strips	0.07%	0.155
				EV2223-04	20-229 Smart Phone XT2133, White cable, White cable jacket	0.03%	0.056
				EV2224-02	20-229 Smart Phone XT2133, Connection flex, Metallic glue strip	0.04%	0.081

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.307	EX1177	EV2199-02	20-229 Smart Phone XT2133, Shock pads 3+5+6	0.02%	0.046
				EV2208-05	20-229 Smart Phone XT2133, Copper glue strip 1	0.01%	0.024
				EV2209-01	20-229 Smart Phone XT2133, Blue rubber pad	0.01%	0.027
				EV2209-02	20-229 Smart Phone XT2133, Rubber cover 1	0.01%	0.024
				EV2209-06	20-229 Smart Phone XT2133, Rubber seal	0.02%	0.048
				EV2216-02	20-229 Smart Phone XT2133, Rear camera 3, Copper glue strip	0.01%	0.024
				EV2220-03	20-229 Smart Phone XT2133, Red rubber	0.01%	0.023
				EV2222-06	20-229 Smart Phone XT2133, Black cable, Inner white cable jacket	0.01%	0.029
				EV2223-06	20-229 Smart Phone XT2133, White cable, Inner white cable jacket	0.02%	0.032
				EV2227-05	20-229 Smart Phone XT2133, Vibra call, Rubber cover	0.01%	0.03

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.144	EX1178	EV2198-03	20-229 Smart Phone XT2133, SIM Card holder, Red seal ring	0.00%	0.007
				EV2200-01	20-229 Smart Phone XT2133, Label 1+2+4	0.01%	0.017
				EV2203-03	20-229 Smart Phone XT2133, Black shock pads	0.01%	0.019
				EV2208-09	20-229 Smart Phone XT2133, Yellow glue strip	0.01%	0.012
				EV2218-08	20-229 Smart Phone XT2133, Main PWB, Metallic shock pad	0.00%	0.008
				EV2221-06	20-229 Smart Phone XT2133, Bottom speaker, Black/silver foil	0.01%	0.014
				EV2221-08	20-229 Smart Phone XT2133, Bottom speaker, Membrane	0.01%	0.011
				EV2221-10	20-229 Smart Phone XT2133, Bottom speaker, Clear glue	0.01%	0.013
				EV2222-04	20-229 Smart Phone XT2133, Black cable, Black cable jacket	0.01%	0.021
				EV2228-02	20-229 Smart Phone XT2133, Button flex, Glue strip	0.01%	0.022

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.048	EX1179	EV2200-02	20-229 Smart Phone XT2133, Label 3	0.00%	0.007
				EV2200-03	20-229 Smart Phone XT2133, Humidity indicator	0.00%	0.001
				EV2208-02	20-229 Smart Phone XT2133, Black glue strip 4	0.00%	0.004
				EV2208-04	20-229 Smart Phone XT2133, Black glue strips 7	0.00%	0.003
				EV2208-08	20-229 Smart Phone XT2133, Blue glue strip	0.00%	0.002
				EV2209-05	20-229 Smart Phone XT2133, Black rubber pad	0.00%	0.004
				EV2211-05	20-229 Smart Phone XT2133, Top plastic cover, Bottom plastic cover, Blue glue	0.00%	0.003
				EV2212-03	20-229 Smart Phone XT2133, Fingerprint sensor, Black glue strip	0.00%	0.006
				EV2213-03	20-229 Smart Phone XT2133, Front camera, Black shock pad	0.00%	0.001
				EV2218-09	20-229 Smart Phone XT2133, Main PWB, Metallic glue strip	0.00%	0.005
				EV2218-14	20-229 Smart Phone XT2133, Main PWB, Black glue strip	0.00%	0.003
				EV2226-02	20-229 Smart Phone XT2133, Top speaker, Black shock pad	0.00%	0.006
				EV2226-04	20-229 Smart Phone XT2133, Top speaker, Silver glue strip	0.00%	0.003

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.014	EX1180	EV2213-07	20-229 Smart Phone XT2133, Front camera, Black foil rings	0.00%	0.001
				EV2214-04	20-229 Smart Phone XT2133, Rear camera 1, Black foil rings	0.00%	0.001
				EV2215-05	20-229 Smart Phone XT2133, Rear camera 2, Black foil rings	0.00%	0.001
				EV2216-13	20-229 Smart Phone XT2133, Rear camera 3, Black foil rings	0.00%	0.001
				EV2217-05	20-229 Smart Phone XT2133, Rear camera 4, Black foil rings	0.00%	0.001
				EV2218-10	20-229 Smart Phone XT2133, Main PWB, Humidity indicator	0.00%	0.001
				EV2221-11	20-229 Smart Phone XT2133, Bottom speaker, Pink glue	0.00%	0.001
				EV2221-12	20-229 Smart Phone XT2133, Bottom speaker, Blue glue	0.00%	0.001
				EV2226-01	20-229 Smart Phone XT2133, Top speaker, Black cloth net	0.00%	0.001
				EV2226-05	20-229 Smart Phone XT2133, Top speaker, Membrane	0.00%	0.001
				EV2226-11	20-229 Smart Phone XT2133, Top speaker, Clear glue strip	0.00%	0.001
				EV2226-13	20-229 Smart Phone XT2133, Top speaker, White cloth nets	0.00%	0.001
				EV2226-14	20-229 Smart Phone XT2133, Top speaker, Clear glue	0.00%	0.001
				EV2227-16	20-229 Smart Phone XT2133, Vibra call, Metallic shock pad	0.00%	0.001

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	1.226	EX1181	EV2219-02	20-229 Smart Phone XT2133, Battery, Black plastic	0.16%	0.349
				EV2219-03	20-229 Smart Phone XT2133, Battery, White glue strip	0.01%	0.026
				EV2219-04	20-229 Smart Phone XT2133, Battery, Black glue strip 1	0.02%	0.044
				EV2219-05	20-229 Smart Phone XT2133, Battery, Yellow glue strips 1	0.12%	0.257
				EV2219-06	20-229 Smart Phone XT2133, Battery, Black rubber strip 1	0.03%	0.058
				EV2219-07	20-229 Smart Phone XT2133, Battery, Black rubber strip 2	0.02%	0.053
				EV2219-09	20-229 Smart Phone XT2133, Battery, Green glue strips	0.18%	0.374
				EV2219-13	20-229 Smart Phone XT2133, Battery, Yellow glue strips 2	0.01%	0.028
				EV2219-14	20-229 Smart Phone XT2133, Battery, Clear glue strips 1	0.02%	0.035
				EV2219-18	20-229 Smart Phone XT2133, Battery, Clear glue strips 2	0.00%	0.002

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	49.6658	EX1182	EV2219-08	20-229 Smart Phone XT2133, Battery, Outer metal foil	0.98%	2.081
				EV2219-12	20-229 Smart Phone XT2133, Battery, White foil	1.95%	4.16367
				EV2219-19	20-229 Smart Phone XT2133, Battery, Carbon coating	20.36%	43.42113

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	12.038	EX1183	EV2230-01	20-229 Smart Phone XT2133, Display assembly, Display Reflection foil	0.57%	1.225
				EV2230-02	20-229 Smart Phone XT2133, Display assembly, Display plastic frame	0.08%	0.163
				EV2230-04	20-229 Smart Phone XT2133, Display assembly, Display black/white glue strip	0.00%	0.006
				EV2230-05	20-229 Smart Phone XT2133, Display assembly, Display diffuser plate	2.81%	5.987
				EV2230-06	20-229 Smart Phone XT2133, Display assembly, Display diffuser foil	0.43%	0.919
				EV2230-07	20-229 Smart Phone XT2133, Display assembly, Display polarization foil 1	0.50%	1.068
				EV2230-09	20-229 Smart Phone XT2133, Display assembly, Display black glue strip	0.02%	0.053
				EV2230-10	20-229 Smart Phone XT2133, Display assembly, Display polarization foil 2	0.72%	1.546
				EV2230-11	20-229 Smart Phone XT2133, Display assembly, Display back foil	0.50%	1.071

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	3.826	EX1184	EV2204-01	20-229 Smart Phone XT2133, Antenna flex 1	0.07%	0.154
				EV2204-03	20-229 Smart Phone XT2133, Antenna flex 3	0.08%	0.167
				EV2207-00	20-229 Smart Phone XT2133, NFC Sensor flex	0.25%	0.541
				EV2210-00	20-229 Smart Phone XT2133, LED PWB	0.13%	0.283
				EV2212-01	20-229 Smart Phone XT2133, Fingerprint sensor, Flex	0.25%	0.533
				EV2212-02	20-229 Smart Phone XT2133, Fingerprint sensor, Motorola button	0.09%	0.191
				EV2216-01	20-229 Smart Phone XT2133, Rear camera 3, Flex	0.08%	0.175
				EV2224-01	20-229 Smart Phone XT2133, Connection flex	0.26%	0.545
				EV2228-01	20-229 Smart Phone XT2133, Button flex	0.12%	0.265
				EV2230-08	20-229 Smart Phone XT2133, Display assembly, Display flex	0.46%	0.972

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	0.543	EX1185	EV2204-02	20-229 Smart Phone XT2133, Antenna flex 2	0.03%	0.054
				EV2213-01	20-229 Smart Phone XT2133, Front camera, Flex	0.05%	0.107
				EV2214-01	20-229 Smart Phone XT2133, Rear camera 1, Flex	0.04%	0.076
				EV2215-01	20-229 Smart Phone XT2133, Rear camera 2, Flex	0.07%	0.142
				EV2217-01	20-229 Smart Phone XT2133, Rear camera 4, Flex	0.05%	0.11
				EV2221-01	20-229 Smart Phone XT2133, Bottom speaker, Flex	0.01%	0.012
				EV2227-17	20-229 Smart Phone XT2133, Vibra call, Flex	0.02%	0.042

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	13.818	EX1186	EV2218-01	20-229 Smart Phone XT2133, Main PWB, PWB	5.01%	10.695
				EV2219-01	20-229 Smart Phone XT2133, Battery, Battery Flex	0.78%	1.656
				EV2225-00	20-229 Smart Phone XT2133, Sub PWB	0.69%	1.467

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
20-229 Smart Phone XT2133	213.292	16.834	EX1214	EV2205-00	20-229 Smart Phone XT2133, Backside cover	7.89%	16.834

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