



VDE Prüfbericht / VDE Test Report

Prüfbericht Nr. <i>Report No.</i>	292974-TL7-1
VDE-Aktenzeichen <i>VDE File No.</i>	5022428-9021-0061/292974
Ausstellungsdatum <i>Date of issue</i>	2022-03-09
Labor <i>Laboratory</i>	VDE Prüf- und Zertifizierungsinstitut GmbH VDE Testing and Certification Institute
Adresse <i>Address</i>	Merianstrasse 28 63069 Offenbach/Main; Germany
Prüfort / Adresse <i>Testing location/ address</i>	VDE Prüf- und Zertifizierungsinstitut GmbH
Auftraggeber <i>Applicant's name</i>	Motorola Mobility LLC
Auftraggeber Adresse <i>Applicant's address</i>	222 W. Merchandise Mart Plaza, Chicago, Illinois 60654, USA
Angewandte Norm(en) <i>Applied standard(s)</i>	Motorola W18 E 2011/65/EU & 2015/863/EU(RoHS) 1907/2006/EC § 33 (REACH, SVHC) 1907/2006/EC Annex XIV (REACH, Authorisation List) 1907/2006/EC Annex XVII (REACH, List of restrictions)
Art der Prüflinge <i>Test item description</i>	Smart Phone
Warenzeichen <i>Trade Mark</i>	Motorola/Lenovo
Typenbezeichnungen(en) <i>Type reference(s)</i>	Model: XT2221 Series S/N: N0DE170364
Bemessungsdaten <i>Ratings</i>	

Prüfbericht Nr. <i>Report No.:</i>	292974-TL7-1	Seite <i>Page</i>	1	von <i>of</i>	65
Haftungsausschluss / Disclaimer:					
<p>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 <i>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.</i> <i>The test report does not entitle for the use of a VDE Certification Mark and considers solely the requirements of the specifications mentioned below.</i> <i>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.</i></p>					



Zustand des Prüfmusters <i>Test sample condition</i>	<input checked="" type="checkbox"/>	Unbeschädigtes Prüfmuster <i>Non-damaged sample</i>
	Bemerkung / <i>Remark</i> :	
Wareneingang Prüfmuster <i>Sample entry date</i>	2022-01-05	
Datum der Durchführung der Prüfungen <i>Date (s) of performance of tests</i>	2022-01-05 – 2022-03-09	

Geprüft und erstellt von: <i>Tested by</i>	Annkatrin Kuhl	
Name / <i>Name</i> , Unterschrift / <i>Signature</i>:	(Autorisierung des Prüfberichtes <i>Authorization of test report</i>)	
Funktion / <i>Function</i>	Prüfingenieur / <i>Testing engineer</i>	
Überprüft von / <i>approved by</i>		
Name / <i>Name</i> , Unterschrift / <i>Signature</i>:	Dr. Michael Riess	
Funktion / <i>Function</i>	Fachzertifizierer / <i>Technical Certification Officer</i>	

Abschließendes Prüfergebnis <i>Final Verdict:</i>	<input checked="" type="checkbox"/>	P	<input type="checkbox"/>	F
Bemerkung / <i>Remark</i>:				



Durchgeführte Prüfungen / *Performed tests*

Abschnitt <i>Clause</i>	Prüfanforderungen / <i>Requirement + Test</i>	Ergebnis – Anmerkung <i>Result – Remark</i>	Beurteilung <i>Verdict</i>
	Motorola W18 E	Substances detected	
	2011/65/EU & 2015/863/EU(RoHS)	Pass	P
	1907/2006/EC § 33 (REACH, SVHC)	Substances detected	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 and lead.

Allgemeine Bemerkungen / *General Remarks:*

Konformitätserklärung / *Conformity statement:*

Die VDE-Entscheidungsregel für die Konformitätserklärung entspricht dem Verfahren 2 nach IEC Guide 115:2021 /

The VDE decision rule for the statement of conformity is in accordance with IEC Guide 115:2021 procedure 2



Prüf- und Messmittel / Testing and measuring equipment:			
Parameter/s	Instrument/s	Method/e	
Chemical elements Screening	Energy-Dispersive X-Ray Fluorescence (EDXRF)	IEC 62321-3-1:2013	
	Spectro XEPOS XC (XC)		Inv. No. 1150667
	Spectro XEPOS HE (XL)		Inv. No. 1150529
	Spectro XEPOS HE (XR)	Inv. No. 1150796	
Polymers	Infrared Spectrometry (IR)	Inhouse Method SOP TL72 0214 Version 1	
	Bruker ALPHA (IR1)		Inv. No. 1150578
	Bruker INVENIO S (IR2)		Inv. No. 1150787
Cr(VI)	Ultraviolet Spectrometry (UV-Vis)	IEC 62321-7-1:2015	
	Agilent Technologies Cary 8454 UV-Vis		Inv. No. 1150611
Pb, Br Localization	Energy-Dispersive X-Ray Fluorescence (EDXRF)	IEC 62321-1:2013 IEC 62321-2:2021	
	Spectro Midex (M1)		Inv. No. 1150728
	Spectro Midex (M2)		Inv. No. 1150284
	Spectro Midex (M3)		Inv. No. 1150774
	Spectro Midex (M4)		Inv. No. 1150776
	Bruker M4 Tornado	Inv. No. 1150719	
REACH SVHC / Annex XIV / Annex XVII Substances Headspace screening	Gas chromatography with mass spectrometric detection (GC-MSD)	VUP Guide: Screening Products for SVHC according to the REACH Regulation	
	ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (HS-GC2)		Inv. No. 5211104
REACH SVHC / Annex XIV / Annex XVII Substances screening	Gas chromatography with mass spectrometric detection (GC-MSD)	VUP Guide: Screening Products for SVHC according to the REACH Regulation	
	ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-5)		Inv. No. 5211095
	ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4)		Inv. No. 5211053
Phthalates	Gas chromatography with mass spectrometric detection (GC-MSD)	Gas chromatography with mass spectrometric detection (GC-MSD)	
	ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-5)		Inv. No. 5211095
	ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4)		Inv. No. 5211053
PAH	Gas chromatography with mass spectrometric detection (GC-MSD)	AfPS GS 2019:01 PAK IEC 62321-10/CD	
	ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-5)		Inv. No. 5211095
	ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4)		Inv. No. 5211053



Contents Directory

1	Description of the Sample (EUT)	6
2	Assessment summary of substances according to 12G02897W18	7
2.1	Global Compliance Acceptance Criteria (banned and controlled Substances)	7
2.2	Items that only use Homogeneous Materials	9
2.3	Phthalates in fractions	9
2.4	Non Homogeneous items that require attention on the sub item level	10
3	Material Assay Screening Results	11
4	Results EDXRF Scan	35
5	Summary REACH 1907/2006/EC screening results	39
5.1	Identified SVHC, Annex XIV and Annex XVII substances in Article	40
5.2	List of SVHC and Annex XIV substances	44
5.3	List of REACH Annex XVII substances	48
6	Test Results PAH	51
7	Composition of fraction samples	53

1 Description of the Sample (EUT)

Type of EUT:	Product as mentioned on page 1
Model:	
Serial number:	
	
	
	<p>Model & hardware</p> <p>Model moto g(100)</p> <p>Serial number NODE170364</p> <p>Model Number (SKU) XT2221-1</p>

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 <u>wood products</u> 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 2.3, 3, 5
Diisononyl Phthalate (DINP)	n.d. see chapter 3, 5
Formaldehyde	n.a. (no Composite Wood Products, textiles, washing or cleaning agents, cosmetic care products)
Lead and lead compounds	detected see chapter 2.2; 2.3; 3; 4
Lead in cable jackets [1, 2]	n.d. see chapter 3
Nickel and nickel compounds [4]	detected see chapter 3 ²⁾
Nonylphenol ethoxylate [7]	n.d. see chapter 5
Nonylphenol and its isomer mixtures [7]	n.d. see chapter 5



Substances	Results
Polybrominated biphenyls (PBBs)	n.d. see chapter 3
Polybrominated diphenyl ethers (PBDEs)	n.d. see chapter 3
Perchlorates-Lithium Perchlorate, Magnesium Perchlorate, Zinc Perchlorate [5]	n.a. (no perchlorate Batteries)
Perfluoro alkyl sulfonates (PFAS), and derivatives (including PFOS)	n.t.
Perfluorooctanoic Acids	n.t.
Persistent Organic Pollutants (POP)	n.t. For indicator elements Br and Cl see chapter 3 ¹⁾
Poly Vinyl Chloride (PVC) vinyl chloride monomer in External Cables	n.d. see chapter 3 (no external cables)
Certain short and medium chained chlorinated paraffins	n.d.
REACH Authorised and Restricted Substances not otherwise listed	detected but not applicable to this article see chapter 5
REACH Authorised and Restricted Substances not otherwise listed - Entry 20 Organostannic compounds [6]	Sn < 0.1% ¹⁾
REACH Authorised and Restricted Substances not otherwise listed - Entry 21 Di-μ-oxo-di-n-butylstanniohydroxyborane [6]/ Dibutyltin hydrogen borate C8H19BO3Sn (DBB)	Sn < 0.04 % ¹⁾ (DBB < 0.1%) See sample FF2123-07 (Sn 0.04%)
REACH Authorised and Restricted Substances not otherwise listed - Entry 50 Polycyclic-aromatic hydrocarbons (PAH)	n.a. (no rubber or dark plastic materials that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity under normal or reasonably foreseeable conditions of use)
REACH Candidate List Substances not otherwise listed	detected see chapter 5
Tris(2-chloroethyl)phosphate ("TCEP")	n.d. see chapter 5
Tris(1,3-dichloro-2-propyl) phosphate ("TDCPP")	For indicator element Cl see chapter 3 ¹⁾

[1] Substance may not be intentionally added.

[2] The concentration basis is based on the weight of the external cable jacket not including any conductors, sheathed conductors or ground jackets.

[3] Banned in packaging and as a fumigation technique for wood pallets and other wood packaging (includes methyl bromide).

[4] Controlled in surface preparations of products and parts intended to come into direct and prolonged contact with the skin. For Nickel, such products and parts must be evaluated by a materials testing laboratory in accordance with EN1811:1999 to validate that the Nickel ion release rate is < 0.5 µg/cm²/week. A supplier must provide a declaration of compliance with this standard along with their material disclosure for affected products and parts. If the Nickel reported will not come into direct and prolonged contact with the skin, the supplier must add the following comment to the Remarks column: "Nickel will not come into direct or prolonged contact with the skin."

[5] Lithium perchlorate in coin cell batteries rated over 10mAh is allowed; this regulation also requires labeling of the end product

[6] Substance shall not be greater than the equivalent of 0.1 % by weight of tin.

[7] One isomer tested as representative for substance group

n.t.: Not tested

n.d.: Not detected

n.a.: Not applicable


¹⁾ Relevant compounds based on XRF Screening test results. For the speciation of the substances, further testing could be required

²⁾ Not in surface preparations of products intended to come into direct and prolonged contact with the skin./

³⁾ Depending on the actual nature of the compound there is a risk of REACH Annex XVII non compliance.

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

2.2 Items that only use Homogeneous Materials

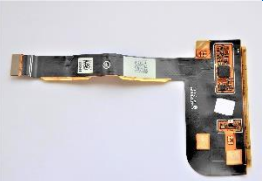


Sample Item	Description	Photo	Material of Concern (Concentration) ¹⁾	Does that rating make use of an Exemption	Sub Item level acceptance rating
FF2132-03	22-015 Smart Phone Model XT2221, Inner metal plate, Screw inserts		Pb (2.5 ± 1.0 % = 25000 ± 10000 ppm)	Pb in copper alloy Exemption 6(c)	Pass, exemption applicable

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

2.3 Phthalates in fractions

None



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






Sample Item	Description	Photo	Sub item	Material of Concern (Concentration) ¹⁾	Does that rating make use of an Exemption	Sub Item level acceptance rating
FF2122-05	22-015 Smart Phone Model#XT2221, Display Flex		Flex (100%) ²⁾	Pb	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	Pass, exemption applicable
FF2126-12	22-015 Smart Phone Model#XT2221, Main PWB		PWB (100%) ²⁾	Pb	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	Pass, exemption applicable
FF2130-04	22-015 Smart Phone Model#XT2221, Sub PWB		PWB (100%) ²⁾	Pb	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	Pass, exemption applicable



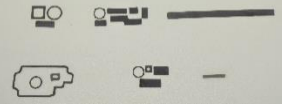
¹⁾ Threshold limits are given in ppm, exemptions are in wt.% - ppm = mg/kg (w/w)

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

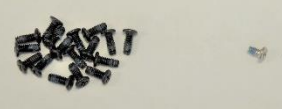


Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds ¹⁾
22-015	Smart Phone Model#XT2221							
FF2099-00	22-015 Smart Phone Model#XT2221, SIM Card holder, Side button		0.495	0.29%				
FF2099-01	22-015 Smart Phone Model#XT2221, SIM Card holder, Red rubber seal				1.82%	Silicone	Main: Si S; Other: Al P Zn; Trace: Cl Ti Ni Rh.	Reportable: Al Si P;
FF2099-02	22-015 Smart Phone Model#XT2221, SIM Card holder, Plastic mold				31.72%	PC	Main: Cr Fe Ni; Other: Al Si P S Ca V Mn Co Cu Mo Nd; Trace: Zn Ga Ru Rh Sn Ba W.	Reportable: Al Si Cr Fe Co Cu Nd; Controlled: Ni.
FF2099-03	22-015 Smart Phone Model#XT2221, SIM Card holder, Metal frame				53.94%		Main: Si P K Ca Ti Fe; Other: S Cl V Cr Co Ni Cu Zn Rb Sr Y Zr Nb Mo In Ba; Trace: Br Sb Cs Ce Ti Bi.	Reportable: Cr Fe Co Cu Zn Rb Y Ba; Controlled: N.
FF2099-04	22-015 Smart Phone Model#XT2221, Side button				9.70%	PC 95% PMMA 5%	Main: P; Other: Al Si S Cl K Ca Ti; Trace: 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. UD Appendix C relevant compounds ¹⁾
FF2099-05	22-015 Smart Phone Model#XT2221, Side button, Green rubber insert				2.83%	TPU	Main: S; Other: Al Si P Ti; Trace: Cl Cu .	Reportable: Al Si P;
FF2100-00	22-015 Smart Phone Model#XT2221, Plastic plate, Light guide		0.143	0.08%				
FF2100-01	22-015 Smart Phone Model#XT2221, Plastic plate				66.43%	PC	Main: Si; Other: Al S K; Trace: P Cl Ti.	Reportable: Al Si;
FF2100-02	22-015 Smart Phone Model#XT2221, Plastic plate, Black glue strip				7.69%	PE/PVA 80% Acrylic 20%	Main: Al Si; Other: P S Cl K Ti Fe Zn; Trace: Cr Mn Ni Cu Ag Sn.	Reportable: Al Si Fe;
FF2100-03	22-015 Smart Phone Model#XT2221, Light guide				25.17%	PMMA	Main: ; Other: Al Si P S Cl K; Trace: Ti.	Reportable: Al;
FF2100-04	22-015 Smart Phone Model#XT2221, Light guide, Clear glue strip				0.70%	PET 80% Acrylic 20%	Main: ; Other: Al Si P S Ni; Trace: Ti Cu Zn Rh .	Reportable: Al Si; Controlled: Ni .
FF2101-00	22-015 Smart Phone Model#XT2221, Front glass			18.558	11.01%			Main: Al Si K; Other: P Zn Sn; Trace: Cl Ti Fe Ga Zr I.
FF2102-00	22-015 Smart Phone Model#XT2221, White glue strip, Black glue strips 1-3, Copper glue strip		0.987	0.59%				
FF2102-01	22-015 Smart Phone Model#XT2221, White glue strip				5.17%	PET 80% Acrylic 20%	Main: Al Si Ti; Other: P S Cl K Cu Zn; Trace: Ca Mn Ni Nb Sb.	Reportable: Al Si Cu Zn;



Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds ¹⁾
FF2102-02	22-015 Smart Phone Model#XT2221, Black glue strips 1-3				91.79%	PET 40% Carbon coating 40% Acrylic 20%	Main: ; Other: Al Si P S Cl K; Trace: Ti Cu Zn Sb.	Reportable: Al Si P;
FF2102-03	22-015 Smart Phone Model#XT2221, Copper glue strip				3.04%	Metal 80% Acrylic 20%	Main: Ni Cu; Other: Si P S Cl K Ti Zn; Trace: Cr Mn Ge As Se Y Zr Nb Sb Ba Nd Bi.	Reportable: Cu Zn; Controlled: Ni .
FF2103-00	22-015 Smart Phone Model#XT2221, Display Flex foil, Display Copper foil		6.766	4.01%				
FF2103-01	22-015 Smart Phone Model#XT2221, Display Flex foil				27.02%	PET 50% PEI 50%	Main: Si S Ti; Other: Al P Cl K Ca Cu Mo Ag; Trace: Cr Ge Hf.	Reportable: Al Si Cu Ag;
FF2103-02	22-015 Smart Phone Model#XT2221, Display Copper foil				72.98%		Main: Cu; Other: Si P S Cl Zn W; Trace: Cr Mn Ga Ge Y Zr Nb Rh Ag Cs Ba La Nd Bi.	Reportable: Cu Zn W;
FF2104-00	22-015 Smart Phone Model#XT2221, Metallic shock pads 1+2, Shock pad 1-7		0.979	0.58%				
FF2104-01	22-015 Smart Phone Model#XT2221, Metallic shock pads 1+2				11.54%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Ca Fe Zn Hf; Trace: Ti Cr Ga Sb Pr.	Reportable: Al Si Fe Cu; Controlled: Ni.
FF2104-02	22-015 Smart Phone Model#XT2221, Shock pad 1				62.61%	PUR 60% PET 20% Acrylic 20%	Main: Al Si; Other: P S Cl K; Trace: Ti Ni Zn Sb.	Reportable: Al Si;
FF2104-03	22-015 Smart Phone Model#XT2221, Shock				3.06%	PUR 60% PET 20%	Main: Ca; Other: Al Si P S Cl K Ni;	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⁾	
	pads 2					Acrylic 20%	Trace: Ti Fe Zn Sr Sb.		
FF2104-04	22-015 Smart Phone Model#XT2221, Shock pads 3				4.70%	PUR 60% PET 20% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca; Trace: Ti Ni Cu Zn Sb.	Reportable: Al Si;	
FF2104-05	22-015 Smart Phone Model#XT2221, Shock pad 4				8.99%	PUR 60% PET 20% Acrylic 20%	Main: Ca; Other: Al Si P S Cl K Ni; Trace: Ti Mn Fe Cu Zn Sr Sb.	Reportable: Al Si;	
FF2104-06	22-015 Smart Phone Model#XT2221, Shock pads 5				3.98%	PUR 60% PET 20% Acrylic 20%	Main: Al Ca; Other: Si P S Cl K; Trace: Ti Ni Zn Sb.	Reportable: Al Si P;	
FF2104-07	22-015 Smart Phone Model#XT2221, Shock pads 6				3.37%	PUR 60% PET 20% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca; Trace: Ti Co Ni Zn Sb.	Reportable: Al Si Co;	
FF2104-08	22-015 Smart Phone Model#XT2221, Shock pad 7				1.74%	PUR 60% PET 20% Acrylic 20%	Main: Si S Ca; Other: Al P Cl Fe; Trace: Ti Ni Sr .	Reportable: Al Si Fe;	
FF2105-00	22-015 Smart Phone Model#XT2221, Black glue 1-4			0.497	0.29%		Acrylic	Main: ; Other: Al Si P S Cl K Zn; Trace: Ca Ti Mn Fe Ni Cu.	Reportable: Al Zn;
FF2106-00	22-015 Smart Phone Model#XT2221, Label 1-4, Humidity indicators			0.019	0.01%				
FF2106-01	22-015 Smart Phone Model#XT2221, Label 1				31.58%	Paper 80% SB 20%	Main: Al Si Ca; Other: P S Cl K Ti Fe; Trace: Ni Cu Zn Sr.	Reportable: Al Si P Fe;	
FF2106-02	22-015 Smart Phone Model#XT2221, Label 2+3				57.89%	Paper 80% Acrylic 20%	Main: Al Si Ca; Other: S Cl K Ti Fe; Trace: Cr Mn Cu Zn Sr.	Reportable: Al Si 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⁾
FF2106-03	22-015 Smart Phone Model#XT2221, Label 4		7.054	4.19%		PAI 80% Acrylic 20%	Main: Al Ti; Other: Si P S Cl K Ca; Trace: Cr Co Ni Cu Zn Zr Nb Rh .	Reportable: Al Si P Co;
FF2106-04	22-015 Smart Phone Model#XT2221, Humidity indicators					Paper	Main: Al Si S Cl Ca Ti; Other: P; Trace: Ni Zn Rh In.	Reportable: Al Si P;
FF2107-00	22-015 Smart Phone Model#XT2221, Backside cover					PC 95% Silicone 5%	Main: Al Si; Other: P S Cl Ca Zn; Trace: K Ti Fe Cu Nb.	Reportable: Al Si Zn;
FF2108-00	22-015 Smart Phone Model#XT2221, Rear camera frame 1+2		0.898	0.53%				
FF2108-01	22-015 Smart Phone Model#XT2221, Rear camera frame 1		38.64%	PC 95% PMMA 5%	Main: Si S; Other: Al P Cl Ca Fe; Trace: K Ti Mn Cu In.	Reportable: Al Si P Fe;		
FF2108-02	22-015 Smart Phone Model#XT2221, Rear camera frame 2		61.36%	PC	Main: Si; Other: Al P S Cl Ca Zn; Trace: K Ti Fe Nb.	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⁾
FF2109-00	22-015 Smart Phone Model#XT2221, Black screws, Silver screw		0.789	0.47%				
FF2109-01	22-015 Smart Phone Model#XT2221, Black screws				95.82%		Main: P Ca Fe Zn; Other: Si S Cl K Ti Cr Mn Co Ni Cu Y; Trace: Ge Zr Mo Sb Ba La Ce Pr.	Reportable: Cr Fe Co Cu Zn Y; Controlled: Ni.
FF2109-02	22-015 Smart Phone Model#XT2221, Silver screw				4.18%		Main: S Fe Ni Cu; Other: Si P Cl K Ca Ti Mn Ba; Trace: Cr As Y Zr Nb Ru Rh Bi.	Reportable: Fe Cu Ba; Controlled: Ni .
FF2110-00	22-015 Smart Phone Model#XT2221, Rear glass lenses		0.287	0.17%				
FF2110-01	22-015 Smart Phone Model#XT2221, Rear glass lenses				96.17%		Main: Al Si K Ti; Other: P S Cl Sn; Trace: Fe Ga Zr Pr.	Reportable: Al Si Sn;
FF2110-02	22-015 Smart Phone Model#XT2221, Rear glass lenses, Black glue				3.83%	PE/PVA	Main: S; Other: Al Si P Cl Ni Zn; Trace: Ti Mn Fe Cu .	Reportable: Al Si Zn;
FF2111-00	22-015 Smart Phone Model#XT2221, Antenna flex 1-4		0.455	0.27%				
FF2111-01	22-015 Smart Phone Model#XT2221, Antenna flex 1				43.96%		Main: Al P S Cl Cu; Other: Si K Ca Ti Fe Zn Zr Ba; Trace: Ni Ga Sr Ru Rh.	Reportable: Al Si P Fe Cu Zn Ba;
FF2111-02	22-015 Smart Phone Model#XT2221, Antenna flex 2				14.07%		Main: Al P S Cu; Other: Si Cl Cr Fe Ni Zn Zr; Trace: K Ti Ga.	Reportable: Al Si P Cr Fe Cu; Controlled: Ni.
FF2111-03	22-015 Smart Phone Model#XT2221, Antenna flex 3				22.86%		Main: Al Cu; Other: Si P S Cl K Ca Cr Ni Zn Zr; Trace: Ti Ga Rh Bi.	Reportable: Al Si P Cr 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⁾
FF2111-04	22-015 Smart Phone Model#XT2221, Antenna flex 4				19.12%		Main: Al Si P S Cu; Other: Cl Cr Ni Zr; Trace: K Ti Zn Ga Ru Rh Nd.	Reportable: Al Si P Cr Cu; Controlled: Ni.
FF2112-00	22-015 Smart Phone Model#XT2221, Plastic nets		0.017	0.01%		PET 80% Acrylic 20%	Main: ; Other: Al Si P S Cl Ti Zn; Trace: Ca Mn Co Ni Cu Sb.	Reportable: Al Si Co Zn;
FF2113-00	22-015 Smart Phone Model#XT2221, LED PWB		0.068	0.04%				
FF2113-01	22-015 Smart Phone Model#XT2221, LED PWB				98.53%		Main: Al Si S Ni Cu Ba; Other: P Cl K Ca Ti Sr Sn Au; Trace: Fe Zn Ge Br Y Zr Nb Ag I Ce.	Reportable: Al Si P Cu Sn Ba Au; Controlled: Ni.
FF2113-02	22-015 Smart Phone Model#XT2221, LED PWB, Clear glue strip				1.47%	PET 80% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Ti; Trace: Ni Ru Rh Ba.	Reportable: Al Si P;
FF2114-00	22-015 Smart Phone Model#XT2221, Housing frame		8.777	5.21%		PC 95% PMMA 5%	Main: Si; Other: Al P S Cl K Ca Fe; Trace: Ti Cu.	Reportable: Al Si P Fe;
FF2115-00	22-015 Smart Phone Model#XT2221, Fingerprint sensor		0.301	0.18%				
FF2115-01	22-015 Smart Phone Model#XT2221, Fingerprint sensor, Label				1.00%	PAI 80% Acrylic 20%	Main: Al Si Ti; Other: P S Cl K Ca; Trace: Cr Ni Zn Zr Nb Ru Rh Pd In.	Reportable: Al Si P;
FF2115-02	22-015 Smart Phone Model#XT2221, Fingerprint sensor,				7.97%	TPU	Main: Al Si S Ca Ti; Other: P Cl; Trace: Cr Mn Zr .	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⁾
	Rubber strip							
FF2115-03	22-015 Smart Phone Model#XT2221, Fingerprint sensor				91.03%		Main: Al P S Ni Cu; Other: Si Cl K Ca Ti Cr Fe Co Zr Au; Trace: Zn Ga Ge Nb Pd Ag Sn Tl.	Reportable: Al Si P Cr Fe Co Cu Au; Controlled: Ni.
FF2116-00	22-015 Smart Phone Model#XT2221, White cable		0.181	0.11%				
FF2116-01	22-015 Smart Phone Model#XT2221, White cable, Metal connectors				17.13%		Main: Si P S Ni Cu Sn Au; Other: Cl Ti Ge Ag; Trace: Y Zr Nb I Ce.	Reportable: Cu Ag Sn Au; Controlled: Ni.
FF2116-02	22-015 Smart Phone Model#XT2221, White cable, Plastic inserts				0.55%	PP	Main: Al Si S Ca; Other: P Cl Ti Fe; Trace: Ni Cu Au.	Reportable: Al Si Fe;
FF2116-03	22-015 Smart Phone Model#XT2221, White cable, Golden contacts				0.55%		Main: P S Ni Cu Sn Au; Other: Si Cl K Ca Ge Ba Pr; Trace: Ti Zr Nb Sb Ce.	Reportable: Cu Sn Ba Pr Au; Controlled: Ni.
FF2116-04	22-015 Smart Phone Model#XT2221, White cable, Outer cable jacket				13.81%	PTFE	Main: S Ti; Other: Al Si P; Trace: V Ni Cu.	Reportable: Al Si;
FF2116-05	22-015 Smart Phone Model#XT2221, White cable, Wire				36.46%		Main: Cu Sn; Other: Si P S Cl K Zn; Trace: Ge Y Zr Nb Ba La Nd Yb Bi.	Reportable: Cu Zn Sn;
FF2116-06	22-015 Smart Phone Model#XT2221, White cable, White inner cable				31.49%	PTFE	Main: S Cu; Other: Al Si P Ti Ag Hf; Trace: Zn Rh W.	Reportable: Al Si Cu Ag;
FF2117-00	22-015 Smart Phone Model#XT2221, Black cable		0.175	0.10%				
FF2117-01	22-015 Smart Phone Model#XT2221, Black				17.14%		Main: Si P S Ni Cu Sn; Other: Cl Ca Ti Ag Au;	Reportable: Cu Ag Sn Au;




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⁾
	cable, Metal connectors						Trace: Ge Sr Y Zr Nb Sb.	Controlled: Ni.
FF2117-02	22-015 Smart Phone Model#XT2221, Black cable, Plastic inserts				0.57%	PP	Main: Al S; Other: Si Cl Ca; Trace: Ti Ni Cu.	Reportable: Al Si;
FF2117-03	22-015 Smart Phone Model#XT2221, Black cable, Golden contacts				0.57%		Main: Si P S Ni Cu Sn Au; Other: Cl K Ca Ge Ba; Trace: Ti Zr Nb Rh Sb La.	Reportable: Cu Sn Ba Au; Controlled: Ni.
FF2117-04	22-015 Smart Phone Model#XT2221, Black cable, Outer cable jacket				16.57%	PTFE	Main: S; Other: Al Si P Ti; Trace: Nd.	Reportable: Al Si;
FF2117-05	22-015 Smart Phone Model#XT2221, Black cable, Wire				37.14%		Main: Cu Sn; Other: Si S Cl K Zn Nd W; Trace: Ge Y Zr Nb Ru Rh Ba Yb Bi.	Reportable: Cu Zn Sn Nd W;
FF2117-06	22-015 Smart Phone Model#XT2221, Black cable, Inner cable jacket				28.00%	PTFE	Main: S Cu; Other: Al Si P Ti Ni Ag Hf; Trace: .	Reportable: Al Cu Ag;
FF2118-00	22-015 Smart Phone Model#XT2221, Front camera			0.246	0.15%			
FF2118-01	22-015 Smart Phone Model#XT2221, Front camera, Plastic frame				13.82%	PA PAN	Main: Al Si S K Ca Ti; Other: P Mn Fe Cu Zn Ba; Trace: Ni Sr Zr Nb.	Reportable: Al Si P Fe Cu Zn Ba;
FF2118-02	22-015 Smart Phone Model#XT2221, Front camera, Glass lens				8.13%		Main: Al S Ba; Other: Si P Cl K Ca Ti Cu Zn W; Trace: Ni Sr.	Reportable: Al Si P Cu Zn Ba W;
FF2118-03	22-015 Smart Phone Model#XT2221, Front camera, Plastic holder				17.48%	PC	Main: ; Other: Al Si P S Cl K Ca; Trace: Ti Ba.	Reportable: Al;
FF2118-04	22-015 Smart Phone Model#XT2221, Front camera, Plastic ring				2.44%		Main: S Cu Zn; Other: Al Si P Cl Bi; Trace: Ti Ni Nb Rh.	Reportable: Al Si Cu Zn Bi;

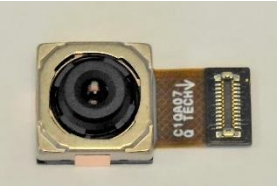
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds ¹⁾	
FF2118-05	22-015 Smart Phone Model#XT2221, Front camera, Plastic lenses				13.82%	PMMA	Main: Si; Other: Al P S Cl K Ti; Trace: Ni Ba.	Reportable: Al Si;	
FF2118-06	22-015 Smart Phone Model#XT2221, Front camera, Foil rings				0.41%	PET	Main: Al Si S; Other: P Cl Ti; Trace: Ni Cu Zn .	Reportable: Al Si;	
FF2118-07	22-015 Smart Phone Model#XT2221, Front camera, Flex				43.90%		Main: Si P S Ni Cu Au; Other: Al Cl K Ca Ti Ge Sr Zr Pd Sn Ba; Trace: Co Ga Y Nb Ag In I Tl Pb.	Reportable: Al Si P Co Cu Pd Sn Ba Au; Controlled: Ni.	
FF2119-00	22-015 Smart Phone Model#XT2221, Battery		64.886	38.50%					
FF2119-01	22-015 Smart Phone Model#XT2221, Battery, Clear glue strips				0.33%	PET 60% Acrylic 40%	Main: ; Other: Al Si P S Cl K Ca; Trace: Ti Cr Mn Fe Cu Zn Sb.	Reportable: Al; Controlled: 1,3-Propanesultone .	
FF2119-02	22-015 Smart Phone Model#XT2221, Battery, Yellow glue strips				0.45%	PAI 80% Acrylic 20%	Main: ; Other: Al Si S K; Trace: P Ca Ti Cu Zn Pr.	Reportable: Al; Controlled: 1,3-Propanesultone .	
FF2119-03	22-015 Smart Phone Model#XT2221, Battery, Rubber glue strips				0.09%	Silicone 80% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Zn; Trace: Ti Co Sb Yb.	Reportable: Al Si Co Zn; Controlled: 1,3-Propanesultone .	
FF2119-04	22-015 Smart Phone Model#XT2221, Battery, White glue strips				0.04%	Epoxy/Cellulose 80% Acrylic 20%	Main: ; Other: Al Si S Cl K; Trace: Ti Cr Fe Co Ni Cu.	Reportable: Al Si Co; Controlled: 1,3-Propanesultone .	
FF2119-05	22-015 Smart Phone Model#XT2221, Battery, Plastic strip				0.32%	PC	Main: P; Other: Al Si S Cl K Ti; Trace: Ba.	Reportable: Al P;	
FF2119-06	22-015 Smart Phone Model#XT2221, Battery, PWB			1.17%		Main: Al Si S Cu; Other: P Cl K Ca Ti Ni Sr Ag Sn Ba; Trace: Ba.	Reportable: Al Si P Cu Ag Sn Ba; 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⁾
							Trace: Cr Fe Zn Zr Nb Pd W.	
FF2119-07	22-015 Smart Phone Model#XT2221, Battery, Contact strip 1				0.10%		Main: Al; Other: Si P S K Ca Ti Fe Cu; Trace: V Cr Mn Co Ni Zn Ga.	Reportable: Al Fe Co;
FF2119-08	22-015 Smart Phone Model#XT2221, Battery, Contact strip 2				0.27%		Main: Al P Ni; Other: Si S Ca Ti Fe Co Hf; Trace: V Cr Mn Zn Ga Ru Rh Ba Ce Nd W.	Reportable: Al P Fe Co; Controlled: Ni.
FF2119-09	22-015 Smart Phone Model#XT2221, Battery, Clear glue foil				0.05%	PET 80% PP 20%	Main: Al P Co; Other: Si S K Ca Ti Fe Cu; Trace: V Cr Mn Zn Ga Zr Nd Yb.	Reportable: Al Si P Fe Co; Controlled: 1,3-Propanesultone .
FF2119-10	22-015 Smart Phone Model#XT2221, Battery, Green glue foil				0.37%	PET	Main: Al P S Ti Co; Other: Si Cl K Ca Ni Cu Zn; Trace: W.	Reportable: Al Si P Co Cu Zn; Controlled: Ni, 1,3-Propanesultone .
FF2119-11	22-015 Smart Phone Model#XT2221, Battery, Silver inner foil				8.29%		Main: Al Co; Other: Si P S K Ca Ti Fe Cu; Trace: Cl V Mn Zn Ga Zr Nd.	Reportable: Al Fe Co Cu;
FF2119-12	22-015 Smart Phone Model#XT2221, Battery, Silver outer foil				3.40%	Metall 70% PA 15% PP 15%	Main: Al Si P Cl Fe Co Ce; Other: S K Ca Ti V Mn Ni Cu Zn Ga Ge Zr Mo Sb Cs Ba La Pr; Trace: As Se Sr Y Nb In Sn Te W Ti Bi.	Reportable: Al Fe Co Cu Zn Sb Ba La Ce Pr; Controlled: Ni.
FF2119-13	22-015 Smart Phone Model#XT2221, Battery, White foil				6.00%	PE-LD	Main: Al P S Co; Other: Si K Ca Cu Zr; Trace: Ti Cr Fe Ga Y Nd Yb.	Reportable: Al P Co Cu; Controlled: 1,3-Propanesultone .
FF2119-14	22-015 Smart Phone Model#XT2221, Battery, Copper foil				9.35%		Main: Cu; Other: P S Cr Co Zn Yb; Trace: Cl Ge Y Zr Nb Ru Rh	Reportable: Cr Co Cu Zn;


Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds ¹⁾
							Ba Pr Nd W Bi.	
FF2119-15	22-015 Smart Phone Model#XT2221, Battery, Carbon coating				69.77%		Main: P S Co Cu; Other: Al; Trace: K Ca Ti Ni Zr Ba.	Reportable: Al P Co Cu; Controlled: 1,3-Propanesultone .
FF2120-00	22-015 Smart Phone Model#XT2221, Bottom speaker		2.553	1.51%				
FF2120-01	22-015 Smart Phone Model#XT2221, Bottom speaker, Shock pad				0.27%	PUR 60% PET 20% Acrylic 20%	Main: S Ca; Other: Al Si P Cl Co Ni; Trace: Ti Mn Cu Zn.	Reportable: Al Si P Co;
FF2120-02	22-015 Smart Phone Model#XT2221, Bottom speaker, Plastic housing				34.47%	PC/GF	Main: Si Ca; Other: Al P S Cl K Ti Cr Fe Cu Sr Ba; Trace: Br Zr Sn Nd Yb.	Reportable: Al Si P Cr Fe Cu Ba;
FF2120-03	22-015 Smart Phone Model#XT2221, Bottom speaker, Membrane				0.78%	Metall 40% PPS/PC 40% ASA 20%	Main: Al; Other: Si P S Cl K Ca Ti Mn Fe Cu; Trace: V Co Ni Zn Ga.	Reportable: Al Si Fe Co Cu;
FF2120-04	22-015 Smart Phone Model#XT2221, Bottom speaker, Copper wire				3.21%		Main: Si S Cu Ag; Other: P Cl Ca Ni Zn; Trace: Ti Co Ge Y Zr Nb Rh In Sn Sb Ba Yb.	Reportable: Co Cu Zn Ag;
FF2120-05	22-015 Smart Phone Model#XT2221, Bottom speaker, Clear glue				0.63%	PA/PAN	Main: S; Other: Al Si P Cl Ca; Trace: Ti Mn Ni Zn .	Reportable: Al Si P;
FF2120-06	22-015 Smart Phone Model#XT2221, Bottom speaker, Blue glue				0.16%	PA/PAN	Main: Si P S Cl; Other: Al K Ca Cu Sn; Trace: Ti Cr Co Ni .	Reportable: Al Si P Co Cu;
FF2120-07	22-015 Smart Phone Model#XT2221, Bottom speaker, Plastic frame				4.15%	PA/GF	Main: Al Si Ca; Other: P S Cl K Ti Fe; Trace: V Cr Mn Ni Cu Sr Zr	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⁾
							Sn Ba.	
FF2120-08	22-015 Smart Phone Model#XT2221, Bottom speaker, Metal holder				22.76%		Main: P Fe Ni; Other: Cl K Ca Mn Cu; Trace: Cr Zn As Y Mo Ba Nd Ti Bi.	Reportable: Fe Cu; Controlled: Ni.
FF2120-09	22-015 Smart Phone Model#XT2221, Bottom speaker, Metal plate				9.05%		Main: P Fe Ni; Other: Cl K Mn Cu; Trace: Ca Cr Zn As Y Mo Sn Ba Pr Nd Bi.	Reportable: Fe Cu; Controlled: Ni .
FF2120-10	22-015 Smart Phone Model#XT2221, Bottom speaker, Magnet				20.80%		Main: Fe Zn Pr; Other: Si S Cl Co Cu Ga Ge Y Zr Nb Mo Nd Yb; Trace: V Cr Ru Rh Sn Sb Bi.	Reportable: Fe Co Cu Zn Y Pr Nd;
FF2120-11	22-015 Smart Phone Model#XT2221, Bottom speaker, Flex				3.72%		Main: Al Si P S Cl Fe Ni Cu Sn; Other: K Cr Mn Co Zr Mo Hf W Au; Trace: Ti V Zn Ga Ge Br.	Reportable: Al Si P Cr Fe Co Cu Sn W Au; Controlled: Ni.
FF2121-00	22-015 Smart Phone Model#XT2221, Connection flex		0.628	0.37%				
FF2121-01	22-015 Smart Phone Model#XT2221, Connection flex, Metallic glue strips				4.94%	PBT 80% Acrylic 20%	Main: Al Ni Cu; Other: Si P S Cl K Ca Ti Zn Hf; Trace: Cr Fe Ga Sb.	Reportable: Al Si P Cu; Controlled: Ni.
FF2121-02	22-015 Smart Phone Model#XT2221, Connection flex				95.06%		Main: Al P Ni Cu Au; Other: Si S Cl K Ca Zn Ge Zr; Trace: Ti Cr Ga Y Nb Pd Ba Ce.	Reportable: Al Si P Cu Zn Au; Controlled: Ni.
FF2122-00	22-015 Smart Phone Model#XT2221, Display Flex		1.464	0.87%				
FF2122-01	22-015 Smart Phone Model#XT2221, Display				0.48%	PET 80% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Ti Fe;	Reportable: Al Si P Fe;

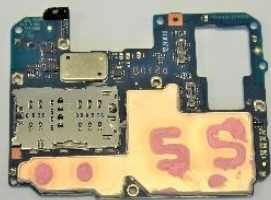
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds ¹⁾
	Flex, Black glue strip						Trace: Mn Ni Cu Zn Sb.	
FF2122-02	22-015 Smart Phone Model#XT2221, Display Flex, Metallic glue strip 1				6.97%	PET 80% Acrylic 20%	Main: P Ni Cu; Other: Al Si S Ti Zn Hf; Trace: Cl Ga Pd Sb Ba.	Reportable: Al Si P Cu; Controlled: Ni.
FF2122-03	22-015 Smart Phone Model#XT2221, Display Flex, Metallic glue strip 2				5.46%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Zn Hf; Trace: Ca Ti Fe Ga Ag Sb Ba.	Reportable: Al Si P Cu; Controlled: Ni.
FF2122-04	22-015 Smart Phone Model#XT2221, Display Flex, Metallic glue strips 3				4.58%	PET 80% Acrylic 20%	Main: Al Ni Cu; Other: Si P S Ti Zn Hf; Trace: Cl Ca Cr Mn Fe Ga Pd Ag Sb Nd.	Reportable: Al Si Cu; Controlled: Ni.
FF2122-05	22-015 Smart Phone Model#XT2221, Display Flex				82.51%		See x,y-Scan Results in Chapter 4 Main: P Ni Cu Ba Au; Other: Al Si S Cl K Ca Ti Co Ge Zr Ag Sn I Ta Pb; Trace: Y Nb Mo Pd.	Reportable: Al Si P Co Cu Ag Sn Ba Ta Au; Controlled: Ni Pb.
FF2123-00	22-015 Smart Phone Model#XT2221, Rear camera 1		0.755	0.45%				
FF2123-01	22-015 Smart Phone Model#XT2221, Rear camera 1, Copper glue strip				2.91%		Main: Ni Cu; Other: Si P S Cl K Ti Zn; Trace: Cr Mn Ge Se Y Zr Nb Ba Nd Bi.	Reportable: Cu Zn; Controlled: Ni .
FF2123-02	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic frame 1				8.08%	Epoxy	Main: Al Si P S K Ca Ti; Other: Mn Fe Cu Zn Ba; Trace: Cl Sr Zr Nb.	Reportable: Al Si P Fe Cu Zn Ba;
FF2123-03	22-015 Smart Phone Model#XT2221, Rear camera 1, Glass lens				4.24%		Main: S Ca Ti Cu Zn Ba; Other: Al Si P Cl K W; Trace: V Fe Sr Ce.	Reportable: Al P Cu Zn Ba W;


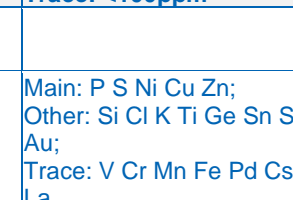


Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds ¹⁾
FF2123-04	22-015 Smart Phone Model#XT2221, Rear camera 1, Metal frame				24.37%		Main: P Fe Ni; Other: S Cl K Ca Mn; Trace: Cr Zn Y Sb Ba Nd.	Reportable: Fe; Controlled: Ni .
FF2123-05	22-015 Smart Phone Model#XT2221, Rear camera 1, Magnets				12.05%		Main: Fe Ni Cu Pr; Other: Si S Cl V Y Zr Nb Mo Bi; Trace: Ge Se Ru Rh In Sb Ba Tl.	Reportable: Fe Cu Y Pr Bi; Controlled: Ni.
FF2123-06	22-015 Smart Phone Model#XT2221, Rear camera 1, Silver wire 1				1.19%		Main: Si S Ni Cu Sn; Other: P Cl K Ca Ti Mn Nb Ba; Trace: Y Zr Rh La Pr.	Reportable: Cu Sn Ba; Controlled: Ni.
FF2123-07	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic mold				3.31%	PC	Main: Si S Ca; Other: Al P Cl K Ti Mn Fe Ni Cu Zn Sn Ba; Trace: Sr Au.	Reportable: Al Si P Fe Cu Zn Sn Ba; Controlled: Ni.
FF2123-08	22-015 Smart Phone Model#XT2221, Rear camera 1, Silver wire 2				1.46%		Main: S Ni Cu Zn; Other: Si P Cl K Mn Fe Ge Ba Au; Trace: Ti Y Zr Rh Sn Sb La Pr.	Reportable: Fe Cu Zn Ba Au; Controlled: Ni.
FF2123-09	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic frame 2				4.24%	Polyester	Main: Si S Ca; Other: Al P Fe Ba; Trace: Cl Ti Cu Sr.	Reportable: Al Si Fe Ba;
FF2123-10	22-015 Smart Phone Model#XT2221, Rear camera 1, Copper wire				1.72%		Main: S Cu; Other: Si P Cl Ni Zn Ba; Trace: Ti Y Zr Nb Rh Sb W Bi.	Reportable: Cu Zn Ba;
FF2123-11	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic holder				5.96%	PC	Main: ; Other: Al Si P S Cl K; Trace: Ti Ni Cu Zn.	Reportable: Al;
FF2123-12	22-015 Smart Phone Model#XT2221, Rear				7.02%	Polyester	Main: Si; Other: Al P S Cl K Ti;	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⁾	
	camera 1, Plastic lenses						Trace: Ba.		
FF2123-13	22-015 Smart Phone Model#XT2221, Rear camera 1, Metal ring				3.18%		Main: S Cu Zn; Other: Si P Cl Ge Ba Bi; Trace: Ti Ni Cs La Pr.	Reportable: Cu Zn Ba Bi;	
FF2123-14	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic ring				0.26%	PC	Main: S; Other: Al Si P; Trace: Cl Ti Ni Zn.	Reportable: Al Si;	
FF2123-15	22-015 Smart Phone Model#XT2221, Rear camera 1, Foil rings				0.13%	PET	Main: S; Other: Al Si P Cl Ti Zn; Trace: Ru Rh.	Reportable: Al Si P;	
FF2123-16	22-015 Smart Phone Model#XT2221, Rear camera 1, Flex				19.87%		Main: Al Si Cu Ba; Other: P S Cl K Ca Ti Ni Ga Sr Pd Sn Ta W Au; Trace: Cr Co Ge Br Zr Ag Ce.	Reportable: Al Si Co Cu Pd Sn Ba Ta W Au; Controlled: Ni.	
FF2124-00	22-015 Smart Phone Model#XT2221, Rear camera 2			0.311	0.18%				
FF2124-01	22-015 Smart Phone Model#XT2221, Rear camera 2, Plastic frame					26.37%	Polyester/GF	Main: Al Si P S K Ca; Other: Ti Fe Cu Zn Ba; Trace: Mo.	Reportable: Al Si P Fe Cu Zn Ba;
FF2124-02	22-015 Smart Phone Model#XT2221, Rear camera 2, Glass lens					8.68%		Main: Si S Ca Ti Cu Zn Ba; Other: Al P Cl K W; Trace: Sr Ce Hf.	Reportable: Al Si P Cu Zn Ba W;
FF2124-03	22-015 Smart Phone Model#XT2221, Rear camera 2, Plastic holder				13.18%	PC	Main: ; Other: Al Si P S K; Trace: Ti Zn.	Reportable: Al;	
FF2124-04	22-015 Smart Phone Model#XT2221, Rear camera 2, Plastic lenses				16.08%	Polyester50% Glass 50%	Main: Si; Other: Al P S K Ti; Trace: Zn Pr.	Reportable: Al Si;	
FF2124-05	22-015 Smart Phone Model#XT2221, Rear camera 2, Foil rings				0.32%	PET	Main: Si S; Other: Al P Cl K Ca Ti; Trace: 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⁾
FF2124-06	22-015 Smart Phone Model#XT2221, Rear camera 2, Flex				35.37%		Main: Al Si Cu; Other: S Cl K Ca Ti Ni Pd Sn Ba Hf W Au; Trace: Cr Br Sr Zr Ag.	Reportable: Al Si Cu Pd Sn Ba W Au; Controlled: Ni.
FF2125-00	22-015 Smart Phone Model#XT2221, Rear camera 3		0.249	0.15%				
FF2125-01	22-015 Smart Phone Model#XT2221, Rear camera 3, Plastic frame				24.90%	Polyester	Main: Si S Ca; Other: Al P Cl K Ti Fe Ba; Trace: Mn Sr.	Reportable: Al Si Fe Ba;
FF2125-02	22-015 Smart Phone Model#XT2221, Rear camera 3, Glass lens				2.41%		Main: S; Other: Al Si P Cl K Ti Zn; Trace: Ni W.	Reportable: Al Zn;
FF2125-03	22-015 Smart Phone Model#XT2221, Rear camera 3, Plastic holder				6.02%	PC	Main: ; Other: Al Si P S K; Trace: Ti Zn.	Reportable: Al;
FF2125-04	22-015 Smart Phone Model#XT2221, Rear camera 3, Plastic lenses				4.02%	Polyester	Main: Si; Other: Al S Cl K Ti; Trace: .	Reportable: Al Si;
FF2125-05	22-015 Smart Phone Model#XT2221, Rear camera 3, Plastic ring				0.40%	PC	Main: S; Other: Al Si P Cl; Trace: Ti Ni.	Reportable: Al Si;
FF2125-06	22-015 Smart Phone Model#XT2221, Rear camera 3, Foil rings				0.40%	PET	Main: Al Si S; Other: P Cl K; Trace: Ti Ni Ru Rh In.	Reportable: Al Si P;
FF2125-07	22-015 Smart Phone Model#XT2221, Rear camera 3, Flex				61.85%		Main: Si S Ca Ni Cu Sn; Other: Al P Cl K Ti Cr Fe Co Sr Zr Ag Ba Au;	Reportable: Al Si P Cr Fe Co Cu Ag Sn Ba Au;



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⁾
							Trace: Zn Y Nb Mo La W Pb.	Controlled: Ni.
FF2126-00	22-015 Smart Phone Model#XT2221, Main PWB		14.331	8.50%				
FF2126-01	22-015 Smart Phone Model#XT2221, Main PWB, Copper glue strip 1				1.62%		Main: Ni Cu; Other: Si P Cl Zn W; Trace: S Cr Mn Ga Ge Br Y Zr Nb Rh Sb Ba Pr Nd Bi.	Reportable: Cu Zn W; Controlled: Ni.
FF2126-02	22-015 Smart Phone Model#XT2221, Main PWB, Copper glue strip 2				1.84%		Main: Ni Cu; Other: Si P S Cl K Ti Zn Nd; Trace: Ge Se Br Y Zr Nb Mo Ru Rh Sb Ba Bi.	Reportable: Cu Zn Nd; Controlled: Ni.
FF2126-03	22-015 Smart Phone Model#XT2221, Main PWB, Shieldings 1				27.68%		Main: Ni Cu Zn; Other: Si P S Cl Mn Fe Sn; Trace: Ge As Se Y Zr Rh Ag I Ba Nd Bi.	Reportable: Fe Cu Zn Sn; Controlled: Ni .
FF2126-04	22-015 Smart Phone Model#XT2221, Main PWB, Shielding 2				3.44%		Main: Cr Fe Ni; Other: Si P S Cl K V Mn Co Cu Mo; Trace: Zn Ge As Rh Sn Ba La Au.	Reportable: Cr Fe Co Cu; Controlled: Ni.
FF2126-05	22-015 Smart Phone Model#XT2221, Main PWB, Metal pin				0.55%		Main: Cr Mn Fe Ni; Other: Si P S Cl K Ca V Co Cu As Mo Nd; Trace: Ti Zn Ge Sn Sb Ba.	Reportable: Cr Fe Co Cu Nd; Controlled: Ni As.
FF2126-06	22-015 Smart Phone Model#XT2221, Main PWB, Lever				0.18%		Main: Cr Mn Fe Ni; Other: Si S Cl K V Co Cu Mo Nd; Trace: Zn Ge As Nb Sn Sb Ba.	Reportable: Cr Fe Co Cu Nd; Controlled: Ni.
FF2126-07	22-015 Smart Phone Model#XT2221, Main PWB, Thermal paste				3.94%	Silicone	Main: Al Si; Other: Zr; Trace: K Ti Fe Cu Zn Ga Y Hf.	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⁾
FF2126-08	22-015 Smart Phone Model#XT2221, Main PWB, Small metal cover				0.06%		Main: P S Ni Cu Zn; Other: Si Cl K Ti Ge Sn Sb Nd Au; Trace: V Cr Mn Fe Pd Cs Ba La.	Reportable: Cu Zn Sn Sb Nd Au; Controlled: Ni.
FF2126-09	22-015 Smart Phone Model#XT2221, Main PWB, Rubber part				0.15%	Silicone	Main: Si; Other: Al S Cl K Ti Fe; Trace: Cu Zn Zr .	Reportable: Al Si Fe;
FF2126-10	22-015 Smart Phone Model#XT2221, Main PWB, Black glue strip				0.02%	PET 80% Acrylic 20%	Main: Al Si S; Other: P Cl K Ca Ti Ni Cu Zn; Trace: Cr Mn .	Reportable: Al Si P Cu;
FF2126-11	22-015 Smart Phone Model#XT2221, Main PWB, Humidity indicator				0.01%	Paper	Main: Al Si S Cl Ca Ti; Other: P K Cu; Trace: Co Ni Zn Sr Rh In.	Reportable: Al Si Co;
FF2126-12	22-015 Smart Phone Model#XT2221, Main PWB				60.50%		See x,y-Scan in Chapter 4	Controlled: Pb
FF2127-00	22-015 Smart Phone Model#XT2221, Top speaker			1.097	0.65%			
FF2127-01	22-015 Smart Phone Model#XT2221, Top speaker, Plastic frame				4.10%	PA GF	Main: Al Si Ca; Other: P S Cl K Ti Fe Cu I; Trace: Ni Zn Sr Zr.	Reportable: Al Si P Fe Cu;
FF2127-02	22-015 Smart Phone Model#XT2221, Top speaker, Shock pad 1				0.82%	PUR 60% PET 20% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Ni Zn; Trace: Ti Cr Fe Cu Sb Nd.	Reportable: Al Si;
FF2127-03	22-015 Smart Phone Model#XT2221, Top speaker, Black net				0.36%	PET 80% Acrylic 20%	Main: Al S; Other: Si Cl Ti; Trace: Cr Ni Zn Ru Rh In Te Nd.	Reportable: Al Si;
FF2127-04	22-015 Smart Phone Model#XT2221, Top speaker, Shock pad 2				0.55%	PE-LD 60% PET 20% Acrylic 20%	Main: Al; Other: Si P S Cl K Ca Zn; Trace: Ti Ni Ba Yb.	Reportable: Al Si P Zn;



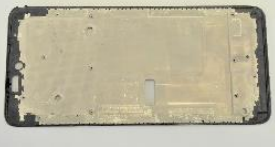
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds ¹⁾
FF2127-05	22-015 Smart Phone Model#XT2221, Top speaker, Metal cover				19.60%		Main: P S Ca Ni Cu; Other: Si Cl K Nd; Trace: Mn Ge As Se Y Zr Nb Rh Ba Au Bi.	Reportable: Cu Nd; Controlled: Ni .
FF2127-06	22-015 Smart Phone Model#XT2221, Top speaker, Membrane				0.64%	PBT 60% Metall 40%	Main: Al; Other: Si P S Ca Fe Ni Cu; Trace: Ti V Mn Nd.	Reportable: Al Fe Cu;
FF2127-07	22-015 Smart Phone Model#XT2221, Top speaker, Copper wire				2.10%		Main: S Cu; Other: Si P Cl K Ca Ti Ni Zn Ge Ag; Trace: Mn Y Zr Nb Rh Sn Sb Ba W.	Reportable: Cu Zn Ag;
FF2127-08	22-015 Smart Phone Model#XT2221, Top speaker, Metal frame				7.93%		Main: P S Fe Ni; Other: Si Cl K Ca Zn; Trace: Ti Cu Y Nb In Sb Ba Tl.	Reportable: Fe; Controlled: Ni.
FF2127-09	22-015 Smart Phone Model#XT2221, Top speaker, Yellow nets				0.18%	PET 80% Acrylic 20%	Main: ; Other: Al Si S Cl Ti; Trace: Ni Zn Rh .	Reportable: Al;
FF2127-10	22-015 Smart Phone Model#XT2221, Top speaker, Metal holder				20.05%		Main: P Fe Ni; Other: Si S Cl K Ca Mn Zn Bi; Trace: Cu Y Rh Ba Nd Tl.	Reportable: Fe Zn Bi; Controlled: Ni .
FF2127-11	22-015 Smart Phone Model#XT2221, Top speaker, Magnet 1				14.59%		Main: Si S Cl Fe Ni Zn; Other: Mn Co Cu Br Sr Y Zr Nb Mo In Ba La Ce Pr W Tl Bi; Trace: Rh .	Reportable: Fe Co Cu Zn Y Ba La Ce Pr Tl Bi; Controlled: Ni.
FF2127-12	22-015 Smart Phone Model#XT2221, Top speaker, Metal plate				4.92%		Main: P Fe Ni; Other: S Cl K Mn Zn Nd Bi; Trace: Ca Cr Y Ba.	Reportable: Fe Nd Bi; Controlled: Ni.
FF2127-13	22-015 Smart Phone Model#XT2221, Top				20.51%		Main: S Fe Zn Pr; Other: Cl K Co Cu Ga Zr;	Reportable: Fe Co Cu Zn Pr;

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⁾
	speaker, Magnets 2						Trace: Ge Rh TI Bi.	
FF2127-14	22-015 Smart Phone Model#XT2221, Top speaker, Flex				3.65%		Main: Si S Ca Cu; Other: Al P Cl K Cr Fe Co Ni Sn; Trace: Ti Zn Zr Nb Mo W.	Reportable: Al Si Cr Fe Co Cu Sn; Controlled: Ni.
FF2128-00	22-015 Smart Phone Model#XT2221, Button flex		0.123	0.07%				
FF2128-01	22-015 Smart Phone Model#XT2221, Button flex, Metallic glue strips				5.69%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Al Zn Hf; Trace: Ti Mn Fe .	Reportable: Al Cu Zn; Controlled: Ni .
FF2128-02	22-015 Smart Phone Model#XT2221, Button flex				94.31%		Main: Al Si P S Fe Ni Cu; Other: Cl K Ca Ti Cr Mn Zn Zr Ag Sn Au; Trace: Co Ga Ge Sr Nb Mo Ba Tl.	Reportable: Al Si P Cr Fe Co Cu Ag Sn Au; Controlled: Ni.
FF2129-00	22-015 Smart Phone Model#XT2221, Rubber cover 1+2, Rubber seal, Blue rubber, Red rubber, Rubber strip		0.399	0.24%				
FF2129-01	22-015 Smart Phone Model#XT2221, Rubber cover 1				37.84%	Silicone	Main: Si; Other: S Cl K Ti Fe Zn; Trace: Ca Mn Zr.	Reportable: Si Fe;
FF2129-02	22-015 Smart Phone Model#XT2221, Rubber cover 2				43.11%	Silicone	Main: Si; Other: P S K Ti Fe Zn; Trace: Zr.	Reportable: Si Fe;
FF2129-03	22-015 Smart Phone Model#XT2221, Rubber seal				11.03%	PUR	Main: Al Si S; Other: P Cl K Ca Ti Fe; Trace: Ni Zn.	Reportable: Al Si Fe;
FF2129-04	22-015 Smart Phone Model#XT2221, Blue rubber				2.51%	Silicone70% PET 20% Acrylic 10%	Main: Si; Other: Al S Cl K Ti; Trace: 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⁾	
FF2129-05	22-015 Smart Phone Model#XT2221, Red rubber				2.01%	Silicone 70% PET 20% Acrylic 10%	Main: Si S; Other: Cl; Trace: Ti Ni Zn .	Reportable: Si;	
FF2129-06	22-015 Smart Phone Model#XT2221, Rubber strip				3.51%	Silicone 80% Acrylic 20%	Main: Al; Other: Si S Cl Ti; Trace: Ni Zn.	Reportable: Al Si;	
FF2130-00	22-015 Smart Phone Model#XT2221, Sub PWB			1.622	0.96%				
FF2130-01	22-015 Smart Phone Model#XT2221, Sub PWB, Silver metal cover					1.23%		Main: S Fe Ni Cu Zn; Other: Si P Cl Mn Sn; Trace: Ti Ge Y Zr Ag Ba.	Reportable: Fe Cu Zn Sn; Controlled: Ni.
FF2130-02	22-015 Smart Phone Model#XT2221, Sub PWB, Golden metal cover					0.55%		Main: P S Ni Cu Zn Au; Other: Si Cl K Ge Sn Sb Ba; Trace: Zr Rh.	Reportable: Cu Zn Sn Sb Ba Au; Controlled: Ni.
FF2130-03	22-015 Smart Phone Model#XT2221, Sub PWB, Black glue strip					0.06%	PAI 80% Acrylic 20%	Main: Si; Other: S Cl Cu; Trace: Ti.	Reportable: Si;
FF2130-04	22-015 Smart Phone Model#XT2221, Sub PWB					98.15%		See x,y-Scan Results in Chapter 4 Main: Al Si S Ca Ni Cu Sn; Other: P Cl K Ti Fe Zn Sr Zr Ag Ba Au; Trace: Co Pd Pb.	Reportable: Al Si P Fe Co Cu Ag Sn Ba Au; Controlled: Ni, Pb.
FF2131-00	22-015 Smart Phone Model#XT2221, Vibra call			0.938	0.56%				
FF2131-01	22-015 Smart Phone Model#XT2221, Vibra call, Shock pad					1.60%	PUR 60% PET 20% Acrylic 20%	Main: S; Other: Al Si P Cl K Ca Ti Ni; Trace: V Cr Fe Cu Zn Sb.	Reportable: Al Si;
FF2131-02	22-015 Smart Phone Model#XT2221, Vibra				0.11%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Ca Ti	Reportable: Al Si Fe Cu;	



Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds ¹⁾
	call, Metallic glue strip						Mn Fe Zn Hf; Trace: Cr Ga.	Controlled: Ni.
FF2131-03	22-015 Smart Phone Model#XT2221, Vibra call, Metal housing				25.27%		Main: P Fe Ni; Other: Si S Cl K Ca Mn Co Zn Sn; Trace: Ti Cr Y Mo Ba Nd.	Reportable: Fe Co Zn Sn; Controlled: Ni .
FF2131-04	22-015 Smart Phone Model#XT2221, Vibra call, Magnet				23.24%		Main: Fe Ni Cu Pr; Other: Si S Cl Co Zn Y Zr Nb Mo Nd; Trace: V Ge Br Rb Ru Rh In Sn Sb Bi.	Reportable: Fe Co Cu Zn Y Pr Nd; Controlled: Ni.
FF2131-05	22-015 Smart Phone Model#XT2221, Vibra call, Metal plate				20.79%		Main: P Fe Ni; Other: Si S Cl K Ca Ti Mn Co Zn Bi; Trace: Cr Ge Y Mo Sn Ba Nd Ti.	Reportable: Fe Co Zn Bi; Controlled: Ni .
FF2131-06	22-015 Smart Phone Model#XT2221, Vibra call, Metal pin				0.53%		Main: S Fe; Other: Si P Cl K Cr Ni Cu Zn; Trace: As Br Y Zr Nb Rh Sb Ba Ti Bi.	Reportable: Cr Fe Cu Zn; Controlled: Ni.
FF2131-07	22-015 Smart Phone Model#XT2221, Vibra call, Clear foil				0.11%	PE-LD 80% Acrylic 20%	Main: Al Si S Cl; Other: P K Ca Ti; Trace: Cr Ni Rh.	Reportable: Al Si P;
FF2131-08	22-015 Smart Phone Model#XT2221, Vibra call, Flex				0.96%		Main: Al Si S Ni Cu; Other: P Cl K Ca Zr Pd Ag Sn Au; Trace: Ti V Cr Mn Fe Zn Ge Y Nb Mo.	Reportable: Al Si P Cu Pd Ag Sn Au; Controlled: Ni.
FF2131-09	22-015 Smart Phone Model#XT2221, Vibra call, PWB				27.40%		Main: Al Si P S Ca Fe Ni Cu Au; Other: Cl K Ti Co Zn Ge Sr Sn Ba W; Trace: Ba W;	Reportable: Al Si P Fe Co Cu Zn Sn Ba W 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⁾	
							Trace: Zr.		
FF2132-00	22-015 Smart Phone Model#XT2221, Inner metal plate		31.497	18.69%					
FF2132-01	22-015 Smart Phone Model#XT2221, Inner metal plate				85.38%		Main: Al Si Cu; Other: P S Cl K Ca Ti Cr Mn Fe Zn; Trace: V Ni Ga Sr Zr Pb.	Reportable: Al Cr Fe Cu Zn;	
FF2132-02	22-015 Smart Phone Model#XT2221, Inner metal plate, Plastic frame					13.86%	PC/GF	Main: ; Other: Al Si P K Ca Fe Sr; Trace: S Ti Zr Ba.	Reportable: Al Si Fe;
FF2132-03	22-015 Smart Phone Model#XT2221, Inner metal plate, Screw inserts					0.77%		Main: Cu Zn Pb; Other: Si P S Cl Fe Ni Sn Yb Bi; Trace: Ti Ge Rh Ag Sb Ba Nd.	Reportable: Fe Cu Zn Sn Bi; Controlled: Ni Pb.

¹⁾ Relevant compounds based on XRF Screening test results (selected chemical elements). For the speciation of the substances, further testing could be required.

, Cr and Pb are also REACH relevant substances

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

** 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 FF2122-05 Top



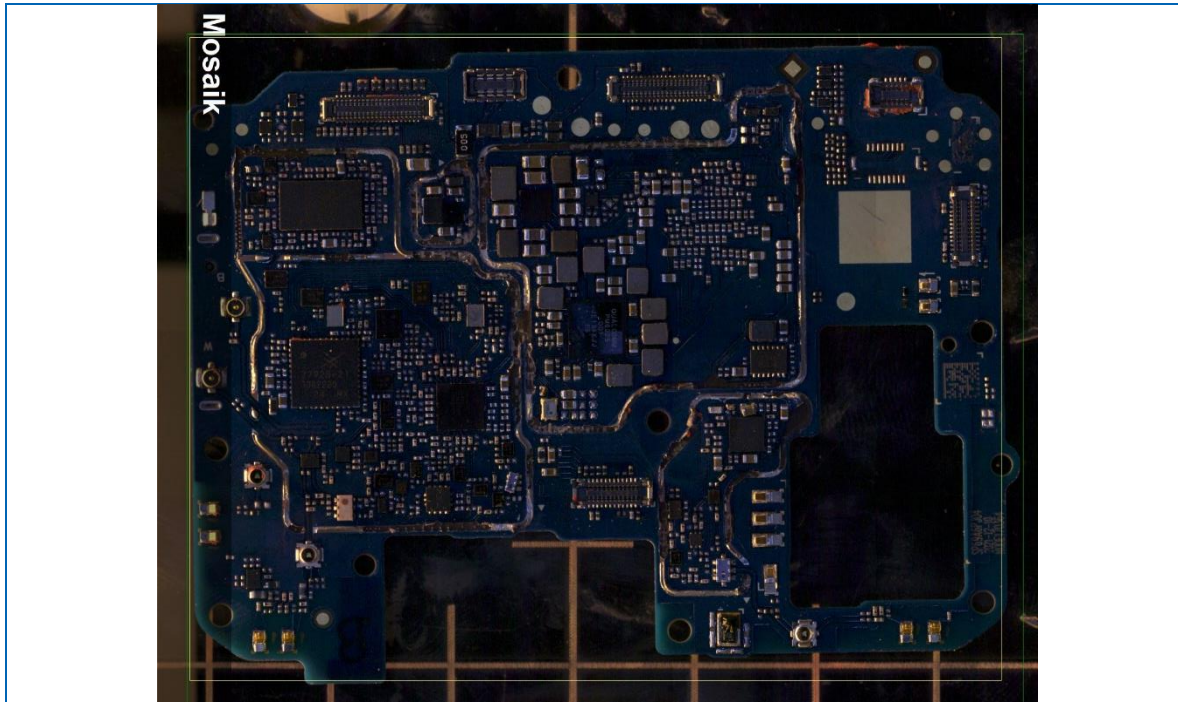
Bromine

Not detected

Lead



Results x,y Scan Sample FF2126-12 Bottom



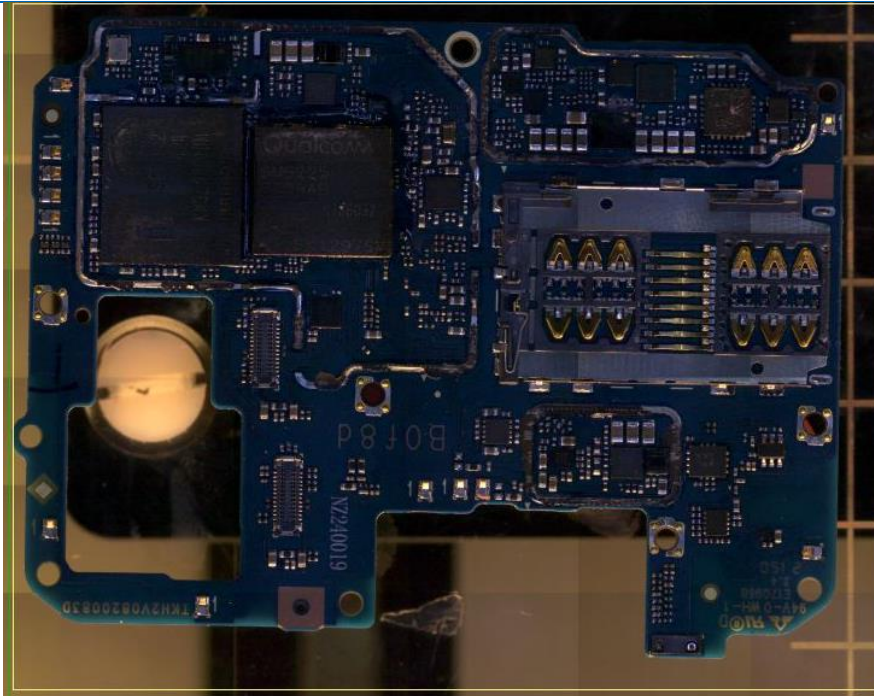
Bromine

Not detected

Lead



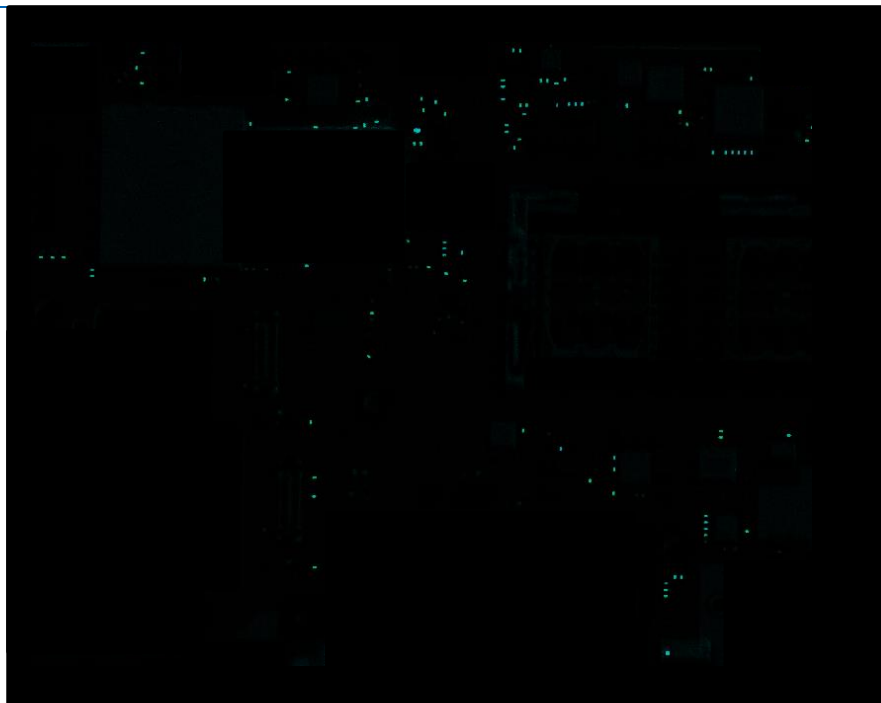
Results x,y Scan Sample FF2126-12 Top



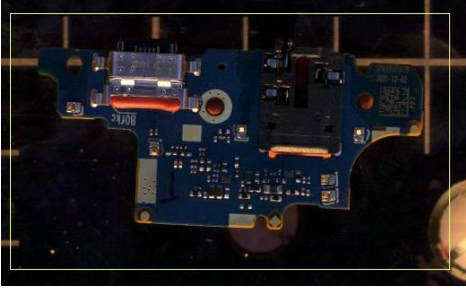
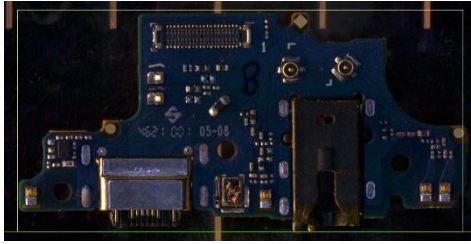

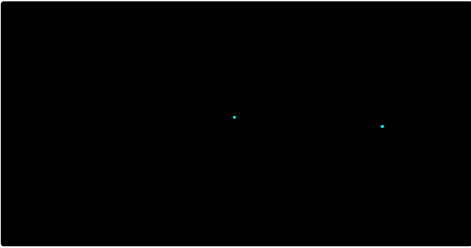
Bromine

Not detected

Lead



Results x,y Scan Sample FF2130-04

	
Bromine	
Not detected	Not detected
Lead	
	



5 Summary REACH 1907/2006/EC screening results

According to §33 Reach information needs to be provided within the supply chain if the concentration of a SVHC substance calculated for the article is higher than 0.1 %. The table below summarizes the organic substances detected with concentrations > 0.1% calculated for the articles according to SVHC substance list dated July 08th, 2021, Annex XIV List dated February 07th, 2020 and Annex XVII List dated December 15th, 2021.

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

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

Prüfbericht Nr. Report No.:	292974-TL7-1	Seite Page	39	von of	65
--------------------------------	--------------	---------------	----	-----------	----

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

The following substances were detected in the samples.

Article	Sample Number	REACH SVHC Substance Detected	REACH Detected Annex XIV Substance	REACH Annex XVII Substance Detected*	Substance Concentration in Fraction ¹⁾ (% w/w)	Substance concentration in article ²⁾ (% w/w)	SVHC > 0.1% Reporting required ²⁾ (Y/N/Risk)	
22-015 Smart Phone Model#XT2221	FH1209	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.098	<0.001	N	
	FH1210	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.128	0.001	N³⁾	
		-	-	Diisocyanates (Entry 74)	0.006	<0.001	N	
	FH1211	-	-	Diisocyanates (Entry 74)	0.004	<0.001	N	
		-	-	Methylenediphenyl diisocyanate (MDI) Entry 56	0.035	<0.001	N	
	FH1212	-	-	Methylenediphenyl diisocyanate (MDI) Entry 56	0.028	<0.001	N	
	FH1213	-	-	Diisocyanates (Entry 74)	0.008	<0.001	N	
		-	-	Methylenediphenyl diisocyanate (MDI) Entry 56	0.019	<0.001	N	
	FH1214	-	-	-				
	FH1215	-	-	-				
	FH1216	-	-	-	Methylenediphenyl diisocyanate (MDI) Entry 56	0.031	<0.001	N
	FH1217	-	-	-	-			
	FH1218	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	-	4-methyl-m-phenylenediamine (toluene-2,4-diamine) (Entry 28)	0.002	<0.001	N
-		-	-	Diisocyanates (Entry 74)	0.015	<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)	
22-015 Smart Phone Model#XT2221	FH1219	-	-	Diisocyanates (Entry 74)	0.005	<0.001	N	
	FH1220	N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.003	<0.001	N	
		-	-	Diisocyanates (Entry 74)	0.048	<0.001	N	
	FH1221	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	4-methyl-m-phenylenediamine (toluene-2,4-diamine) (Entry 28)	0.007	<0.001	N	
		-	-	Diisocyanates (Entry 74)	0.089	<0.001	N	
	FH1222	-	-	-				
	FH1223	4-tert-butylphenol ⁴⁾	-	-	-	0.002	<0.001	N
		4,4'-isopropylidenediphenol (BPA)	-	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.008	<0.001	N
		2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	-	0.002	<0.001	N
	FH1224	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.394	0.009	N ³⁾	
	FH1225	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.213	0.057	N ³⁾	
	FH1226	-	-	-				
	FH1227	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	-	0.008	<0.001	N
		N,N-Dimethylacetamide	-	-	N,N-Dimethylacetamide (Entry 30)-	0.001	<0.001	N
		-	-	-	Diisocyanates (Entry 74)	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)
22-015 Smart Phone Model#XT2221	FH1228	-	-	-			
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.001	<0.001	N
	FH1229	N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.002	<0.001	N
	FH1230	4-tert-butylphenol ⁴⁾	-	-	0.012	<0.001	N
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.020	0.001	N
	FH1231	4-tert-butylphenol ⁴⁾	-	-	0.014	0.001	N
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.020	0.001	N
	FH1232	4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.023	0.001	N
	FH1233	4-tert-butylphenol ⁴⁾	-	-	0.006	<0.001	N
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.018	<0.001	N
	FH1234	4-tert-butylphenol ⁴⁾	-	-	0.002	<0.001	N
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.008	<0.001	N
		2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.003	<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)
22-015 Smart Phone Model#XT2221	FH1235	4-tert-butylphenol ⁴⁾	-	-	0.004	<0.001	N
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.022	<0.001	N
		-	-	Methylenediphenyl diisocyanate (MDI) Entry 56	0.003	<0.001	N

¹⁾ For the composition of fractions please refer to Chapter 7. Please note, that for the composition of fractions only samples with a certain minimum weight can be used properly. The minimum weight is 0.02g for soft materials and 0.01g for hard materials. Materials which are consumed completely during previous analyses can not be considered as well.

²⁾ The results refer to the article considered as functional unit as described in the first column of this table. For the assignment on homogenous material level, further testing could be required. For samples with low weights, the detection limit of 0.1% SVHC in homogeneous material may not be achieved.

* For the conditions of restriction please refer to "List of REACH Annex XVII substances" of this test report or 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



5.2 List of SVHC and Annex XIV substances

orthoboric acid, sodium salt ¹⁾	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) ⁶⁾
Glutaral ¹⁾	Medium-chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17) ⁸⁾
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers ⁶⁾	4,4'-(1-methylpropylidene)bisphenol (BPB)
1,4-dioxane	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)
Bis(2-(2-methoxyethoxy)ethyl) ether	Dioctyltin diAurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety ²⁾
Butyl 4-hydroxybenzoate	Dibutylbis(pentane-2,4-dionato-O,O')tin ²⁾
1-vinylimidazole ¹⁾	2-methylimidazole ¹⁾
Perfluorobutane sulfonic acid (PFBS) and its salts ¹⁾	Diisohexyl phthalate
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides ¹⁾	2-methoxyethyl acetate
4-tert-butylphenol	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ 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" TM)	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
Henicosafuoroundecanoic acid ¹⁾	Heptacosafuorotetradecanoic 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
Pentacosafuorotridecanoic acid ¹⁾	Orange lead (lead tetroxide) ²⁾
Pyrochlore, antimony lead yellow ²⁾	Pentalead tetraoxide sulphate ²⁾
Silicic acid, lead salt ²⁾	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped ²⁾
Tetraethyllead ²⁾	Sulfurous acid, lead salt, dibasic ²⁾
Tricosafuorododecanoic 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 hydroxyoctaoxidizincatedichromate ^{2,3)} *



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

¹⁾ Not tested

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

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

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

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

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

⁷⁾ Four isomers were tested as representative for substance group

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

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

5.3 List of REACH Annex XVII substances

<p>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⁾</p>	<p>76. <i>N,N</i>-dimethylformamide</p>
<p>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⁾</p>	<p>74. Diisocyanates, O = C=N-R-N = C=O, with R an aliphatic or aromatic hydrocarbon unit of unspecified length ⁷⁾</p>
<p>71. 1-methyl-2-pyrrolidone (NMP)</p>	<p>72. The substances listed in column 1 of the Table in Appendix 12 ^{1) 6)}</p>
<p>69. Methanol ¹⁾</p>	<p>70. Octamethylcyclotetrasiloxane (D4) ¹⁾ Decamethylcyclopentasiloxane (D5) ¹⁾</p>
<p>67. Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) ⁸⁾</p>	<p>68. Perfluorooctanoic acid ⁸⁾</p>
<p>65. Inorganic ammonium salts ¹⁾</p>	<p>66. 4,4'-isopropylidenediphenol (Bisphenol A) ¹⁾</p>
<p>63. Lead and its compounds ^{1) 3)}</p>	<p>64. 1,4-Dichlorobenzene ¹⁾</p>
<p>61. Dimethylfumarate (DMF)</p>	<p>62. Phenylmercury neodecanoate³⁾ Phenylmercury octanoate³⁾ Phenylmercury propionate³⁾ Phenylmercury acetate³⁾ Phenylmercury 2-ethylhexanoate³⁾</p>
<p>59. Dichloromethane ¹⁾</p>	<p>60. Acrylamide ¹⁾</p>
<p>57. Cyclohexane</p>	<p>58. Ammonium nitrate (AN) ¹⁾</p>
<p>55. 2-(2-butoxyethoxy)ethanol (DEGBE)¹⁾</p>	<p>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</p>
<p>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⁾</p>	<p>54. 2-(2-methoxyethoxy)ethanol (DEGME)</p>
<p>50. Polycyclic-aromatic hydrocarbons (PAH) (a) Benzo[a]pyrene (BaP) (b) Benzo[e]pyrene (BeP) (c) Benzo[a]anthracene (BaA) (d) Chrysen (CHR) (e) Benzo[b]fluoranthene (BbFA) (f) Benzo[j]fluoranthene (BjFA) (g) Benzo[k]fluoranthene (BkFA) (h) Dibenzo[a,h]anthracene (DBA_hA)</p>	<p>51. (a) Bis (2-ethylhexyl) phthalate (DEHP) ¹⁾ (b) Dibutyl phthalate (DBP) ¹⁾ (c) Benzyl butyl phthalate (BBP) ¹⁾</p>
<p>48. Toluene</p>	<p>49. Trichlorobenzene</p>
	<p>47. Chromium VI compounds ¹⁾</p>
<p>46. (a) Nonylphenol ^{1) 6)}</p>	<p>46a. Nonylphenol ethoxylates ^{1) 6)}</p>



(b) Nonylphenol ethoxylates ^{1) 6)}	
43. Azocolourants and Azodyes ^{1) 6)}	45. Diphenylether, octabromo derivative
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. ¹⁾	41. Hexachloroethane ¹⁾
37. Pentachloroethane	38. 1,1-Dichloroethene
35. 1,1,2,2-Tetrachloroethane	36. 1,1,1,2-Tetrachloroethane
32. Chloroform ³⁾	34. 1,1,2-Trichloroethane
30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B or toxic to reproduction category 1 or 2 ⁷⁾	31. (a) Creosote; wash oil ¹⁾ (b) Creosote oil; wash oil ¹⁾ (c) Distillates (coal tar), naphthalene oils; naphthalene oil ¹⁾ (d) Creosote oil, acenaphthene fraction; wash oil ¹⁾ (e) Distillates (coal tar), upper; heavy anthracene oil ¹⁾ (f) Anthracene oil ¹⁾ (g) Tar acids, coal, crude; crude phenols ¹⁾ (h) Creosote, wood ¹⁾ (i) Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline ¹⁾
28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B or carcinogen category 1 or 2 ⁷⁾	29. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as germ cell mutagen category 1A or 1B or mutagen category 1 or 2 ⁷⁾
26. Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers Trade name: DBBT ^{2) 3)}	27. Nickel and its compounds ³⁾
24. Monomethyl — tetrachlorodiphenyl methane Trade name: Ugilec 141 ^{2) 3)}	25. Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121 ^{2) 3)}
22. Pentachlorophenol and its salts and esters ^{3) 8)}	23. Cadmium and its compounds ³⁾
20. Organostannic compounds ³⁾	21. Di- μ -oxo-di-n-butylstanniohydroxyborane/ Dibutyltin hydrogen borate C ₈ H ₁₉ BO ₃ Sn (DBB) ³⁾
18a. Mercury ^{1) 3)}	19. Arsenic compounds ^{1) 3)}
17. Lead sulphates ³⁾ : (a) PbSO ₄ (b) Pb _x SO 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 its 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 its 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)phosphin oxide ^{1) 6)}	8. Polybromobiphenyls; Polybrominatedbiphenyls (PBB) ¹⁾



	⁶⁾
5. Benzene	6. Asbestos fibres ⁴⁾ (a) Crocidolite (b) Amosite (c) Anthophyllite (d) Actinolite (e) Tremolite (f) Chrysotile
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008¹⁾	4. Tris (2,3 dibromopropyl) phosphate ^{1) 6)}
1. Polychlorinated terphenyls (PCTs)^{3) 7)}	2. Chloroethene (vinyl chloride)¹⁾

¹⁾ N/A the restriction does not apply to this article

²⁾ Not tested

³⁾ Relevant compounds based on XRF Screening test results (selected chemical elements). For the speciation of the substances, further testing could be required. Depending on the actual nature of the compound there is a risk of REACH Annex XVII non compliance.

⁴⁾ Relevant compounds based on XRF Screening: test results for Al and Si. For a statement regarding the actual presence of asbestos further testing is required.

⁵⁾ One isomer was tested as representative for substance group.

⁶⁾ Applies to textile articles

⁷⁾ Selected substances were evaluated as representatives

⁹⁾ See Chapter " Global Compliance Acceptance Criteria (banned and controlled Substances)"

⁸⁾ Regulation (EU) No 2020/2096: entries 22, 67, 68 have been deleted (more severe restrictions are laid down for those substances in Regulation (EU) 2019/1021 POP)



6 Test Results PAH

PAH ¹⁾	FH1209	FH1210	FH1211	FH1212
Benz[a]anthracene (µg/g)	ND	ND	ND	ND
Chrysene (µg/g)	ND	ND	ND	ND
Benzo[b]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[k]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[j]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[e]pyrene (µg/g)	ND	ND	ND	ND
Benzo[a]pyrene (µg/g)	ND	ND	ND	ND
Dibenz[a,h]anthracene (µg/g)	ND	ND	ND	ND
1907/2006/EC REACH Annex XVII Entry 50	Pass	Pass	Pass	Pass

ND: Not detected

¹⁾ REACH Screening results.

PAH ¹⁾	FH1213	FH1214	FH1215	FH1216
Benz[a]anthracene (µg/g)	ND	ND	ND	ND
Chrysene (µg/g)	ND	ND	ND	ND
Benzo[b]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[k]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[j]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[e]pyrene (µg/g)	ND	ND	ND	ND
Benzo[a]pyrene (µg/g)	ND	ND	ND	ND
Dibenz[a,h]anthracene (µg/g)	ND	ND	ND	ND
1907/2006/EC REACH Annex XVII Entry 50	Pass	Pass	Pass	Pass

ND: Not detected

¹⁾ REACH Screening results.

PAH ¹⁾	FH1217	FH1218	FH1219	FH1220
Benz[a]anthracene (µg/g)	ND	ND	ND	ND
Chrysene (µg/g)	ND	ND	ND	ND
Benzo[b]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[k]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[j]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[e]pyrene (µg/g)	ND	ND	ND	ND
Benzo[a]pyrene (µg/g)	ND	ND	ND	ND
Dibenz[a,h]anthracene (µg/g)	ND	ND	ND	ND
1907/2006/EC REACH Annex XVII Entry 50	Pass	Pass	Pass	Pass

ND: Not detected

¹⁾ REACH Screening results.



PAH ¹⁾	FH1221	FH1222	FH1230	FH1231
Benz[a]anthracene (µg/g)	ND	ND	ND	ND
Chrysene (µg/g)	ND	ND	ND	ND
Benzo[b]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[k]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[j]fluoranthene (µg/g)	ND	ND	ND	ND
Benzo[e]pyrene (µg/g)	ND	ND	ND	ND
Benzo[a]pyrene (µg/g)	ND	ND	ND	ND
Dibenz[a,h]anthracene (µg/g)	ND	ND	ND	ND
1907/2006/EC REACH Annex XVII Entry 50	Pass	Pass	Pass	Pass

ND: Not detected

¹⁾ REACH Screening results.

PAH ¹⁾	FH1232
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

¹⁾ REACH Screening results.



7 Composition of fraction samples

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.11	FH1209	FF2119-04	22-015 Smart Phone Model#XT2221, Battery, White glue strips	0.01%	0.023
				FF2119-03	22-015 Smart Phone Model#XT2221, Battery, Rubber glue strips	0.03%	0.058
				FF2119-09	22-015 Smart Phone Model#XT2221, Battery, Clear glue foil	0.02%	0.031

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.75	FH1210	FF2119-01	22-015 Smart Phone Model#XT2221, Battery, Clear glue strips	0.13%	0.212
				FF2119-02	22-015 Smart Phone Model#XT2221, Battery, Yellow glue strips	0.17%	0.293
				FF2119-10	22-015 Smart Phone Model#XT2221, Battery, Green glue foil	0.14%	0.243



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.10	FH1211	FF2104-03	22-015 Smart Phone Model#XT2221, Shock pads 2	0.02%	0.030
				FF2104-07	22-015 Smart Phone Model#XT2221, Shock pads 6	0.02%	0.033
				FF2104-06	22-015 Smart Phone Model#XT2221, Shock pads 5	0.02%	0.039

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.13	FH1212	FF2104-04	22-015 Smart Phone Model#XT2221, Shock pads 3	0.03%	0.046
				FF2104-05	22-015 Smart Phone Model#XT2221, Shock pad 4	0.05%	0.088



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.73	FH1213	FF2104-01	22-015 Smart Phone Model#XT2221, Metallic shock pads 1+2	0.07%	0.113
				FF2104-02	22-015 Smart Phone Model#XT2221, Shock pad 1	0.36%	0.613

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.05	FH1214	FF2116-04	22-015 Smart Phone Model#XT2221, White cable, Outer cable jacket	0.01%	0.025
				FF2117-04	22-015 Smart Phone Model#XT2221, Black cable, Outer cable jacket	0.02%	0.029

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.11	FH1215	FF2117-06	22-015 Smart Phone Model#XT2221, Black cable, Inner cable jacket	0.03%	0.049
				FF2116-06	22-015 Smart Phone Model#XT2221, White cable, White inner cable	0.03%	0.057



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.09	FH1216	FF2126-09	22-015 Smart Phone Model#XT2221, Main PWB, Rubber part	0.01%	0.022
				FF2115-02	22-015 Smart Phone Model#XT2221, Fingerprint sensor, Rubber strip	0.01%	0.024
				FF2129-03	22-015 Smart Phone Model#XT2221, Rubber seal	0.03%	0.044

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.37	FH1217	FF2099-05	22-015 Smart Phone Model#XT2221, Side button, Green rubber insert	0.03%	0.051
				FF2129-01	22-015 Smart Phone Model#XT2221, Rubber cover 1	0.09%	0.151
				FF2129-02	22-015 Smart Phone Model#XT2221, Rubber cover 2	0.10%	0.172



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	1.51	FH1218	FF2122-02	22-015 Smart Phone Model#XT2221, Display Flex, Metallic glue strip 1	0.06%	0.102
				FF2105-00	22-015 Smart Phone Model#XT2221, Black glue 1-4	0.29%	0.497
				FF2102-02	22-015 Smart Phone Model#XT2221, Black glue strips 1-3	0.54%	0.906

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.10	FH1219	FF2120-03	22-015 Smart Phone Model#XT2221, Bottom speaker, Membrane	0.01%	0.020
				FF2102-03	22-015 Smart Phone Model#XT2221, Copper glue strip	0.02%	0.030
				FF2102-01	22-015 Smart Phone Model#XT2221, White glue strip	0.03%	0.051



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.10	FH1220	FF2121-01	22-015 Smart Phone Model#XT2221, Connection flex, Metallic glue strips	0.02%	0.031
				FF2122-04	22-015 Smart Phone Model#XT2221, Display Flex, Metallic glue strips 3	0.04%	0.067

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.18	FH1221	FF2122-03	22-015 Smart Phone Model#XT2221, Display Flex, Metallic glue strip 2	0.05%	0.080
				FF2100-02	22-015 Smart Phone Model#XT2221, Plastic plate, Black glue strip	0.06%	0.096

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.565	FH1222	FF2126-07	22-015 Smart Phone Model#XT2221, Main PWB, Thermal paste	0.34%	0.565



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.97	FH1223	FF2119-05	22-015 Smart Phone Model#XT2221, Battery, Plastic strip	0.12%	0.205
				FF2119-06	22-015 Smart Phone Model#XT2221, Battery, PWB	0.45%	0.762

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	3.893	FH1224	FF2119-13	22-015 Smart Phone Model#XT2221, Battery, White foil	2.31%	3.893



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	45.269	FH1225	FF2119-15	22-015 Smart Phone Model#XT2221, Battery, Carbon coating	26.86%	45.269

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Probengewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.79	FH1226	FF2127-14	22-015 Smart Phone Model#XT2221, Top speaker, Flex	0.02%	0.040
				FF2111-02	22-015 Smart Phone Model#XT2221, Antenna flex 2	0.04%	0.064
				FF2113-01	22-015 Smart Phone Model#XT2221, LED PWB	0.04%	0.067
				FF2111-04	22-015 Smart Phone Model#XT2221, Antenna flex 4	0.05%	0.087
				FF2120-11	22-015 Smart Phone Model#XT2221, Bottom speaker, Flex	0.06%	0.095
				FF2111-03	22-015 Smart Phone Model#XT2221, Antenna flex 3	0.06%	0.104
				FF2118-07	22-015 Smart Phone Model#XT2221, Front camera, Flex	0.06%	0.108
				FF2124-06	22-015 Smart Phone Model#XT2221, Rear camera 2, Flex	0.07%	0.110
				FF2128-02	22-015 Smart Phone Model#XT2221, Button flex	0.07%	0.116



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g]/ Fraction weight [g]	Fraktionsprobennr./ Fraction Sample No.	Ursprüngliche Probennr./ Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel/ Relative Weight in Article	Probengewicht [g]/ Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	4.39	FH1227	FF2123-16	22-015 Smart Phone Model#XT2221, Rear camera 1, Flex	0.09%	0.150
				FF2125-07	22-015 Smart Phone Model#XT2221, Rear camera 3, Flex	0.09%	0.154
				FF2111-01	22-015 Smart Phone Model#XT2221, Antenna flex 1	0.12%	0.200
				FF2131-09	22-015 Smart Phone Model#XT2221, Vibra call, PWB	0.15%	0.257
				FF2121-02	22-015 Smart Phone Model#XT2221, Connection flex	0.35%	0.597
				FF2122-05	22-015 Smart Phone Model#XT2221, Display Flex	0.72%	1.208
				FF2103-01	22-015 Smart Phone Model#XT2221, Display Flex foil	1.08%	1.828

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g]/ Fraction weight [g]	Fraktionsprobennr./ Fraction Sample No.	Ursprüngliche Probennr./ Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel/ Relative Weight in Article	Probengewicht [g]/ Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	10.26	FH1228	FF2130-04	22-015 Smart Phone Model#XT2221, Sub PWB	0.94%	1.592
				FF2126-12	22-015 Smart Phone Model#XT2221, Main PWB	5.14%	8.670



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.18	FH1229	FF2100-03	22-015 Smart Phone Model#XT2221, Light guide	0.02%	0.036
				FF2123-12	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic lenses	0.03%	0.053
				FF2124-04	22-015 Smart Phone Model#XT2221, Rear camera 2, Plastic lenses	0.03%	0.050
				FF2125-04	22-015 Smart Phone Model#XT2221, Rear camera 3, Plastic lenses	0.01%	0.010
				FF2118-05	22-015 Smart Phone Model#XT2221, Front camera, Plastic lenses	0.02%	0.034

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	7.054	FH1230	FF2107-00	22-015 Smart Phone Model#XT2221, Backside cover	4.19%	7.054



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	8.777	FH1231	FF2114-00	22-015 Smart Phone Model#XT2221, Housing frame	5.21%	8.777

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	4.365	FH1232	FF2132-02	22-015 Smart Phone Model#XT2221, Inner metal plate, Plastic frame	2.59%	4.365

Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	2.04	FH1233	FF2099-02	22-015 Smart Phone Model#XT2221, SIM Card holder, Plastic mold	0.09%	0.157
				FF2120-02	22-015 Smart Phone Model#XT2221, Bottom speaker, Plastic housing	0.52%	0.880
				FF2120-07	22-015 Smart Phone Model#XT2221, Bottom speaker, Plastic frame	0.06%	0.106
				FF2108-01	22-015 Smart Phone Model#XT2221, Rear camera frame 1	0.21%	0.347
				FF2108-02	22-015 Smart Phone Model#XT2221, Rear camera frame 2	0.33%	0.551



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.44	FH1234	FF2118-01	22-015 Smart Phone Model#XT2221, Front camera, Plastic frame	0.02%	0.034
				FF2118-03	22-015 Smart Phone Model#XT2221, Front camera, Plastic holder	0.03%	0.043
				FF2123-02	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic frame 1	0.04%	0.061
				FF2123-07	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic mold	0.01%	0.025
				FF2123-09	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic frame 2	0.02%	0.032
				FF2123-11	22-015 Smart Phone Model#XT2221, Rear camera 1, Plastic holder	0.03%	0.045
				FF2124-01	22-015 Smart Phone Model#XT2221, Rear camera 2, Plastic frame	0.05%	0.082
				FF2124-03	22-015 Smart Phone Model#XT2221, Rear camera 2, Plastic holder	0.02%	0.041
				FF2125-01	22-015 Smart Phone Model#XT2221, Rear camera 3, Plastic frame	0.04%	0.062
				FF2125-03	22-015 Smart Phone Model#XT2221, Rear camera 3, Plastic holder	0.01%	0.015



Artikel / Article	Gesamtgewicht Artikel [g] / Total Weight article [g]	Fraktionsgewicht [g] / Fraction weight [g]	Fraktionsprobennr. / Fraction Sample No.	Ursprüngliche Probennr. / Initial Sample No.	Beschreibung / Description	Relatives Gewicht im Artikel / Relative Weight in Article	Proben-gewicht [g] / Sample weight [g]
22-015 Smart Phone Model#XT2221	168.55	0.19	FH1235	FF2127-01	22-015 Smart Phone Model#XT2221, Top speaker, Plastic frame	0.03%	0.045
				FF2099-04	22-015 Smart Phone Model#XT2221, Side button	0.03%	0.048
				FF2100-01	22-015 Smart Phone Model#XT2221, Plastic plate	0.06%	0.095

--- END OF REPORT ---