VDE Prüfbericht / *VDE Test Report*

Prüfbericht Nr. *Report No.*	292787-TL7-1
VDE-Aktenzeichen *VDE File No.*	5022428-9021-0059/292787
Ausstellungsdatum *Date of issue*	2022-03-04
Labor *Laboratory*	**VDE** Prüf- und Zertifizierungsinstitut GmbH ***VDE** Testing and Certification Institute*
Adresse *Address*	Merianstrasse 28 63069 Offenbach/Main; Germany
Prüfort / Adresse *Testing location/ address*	**VDE** Prüf- und Zertifizierungsinstitut GmbH
Auftraggeber *Applicant's name*	Motorola Mobility LLC
Auftraggeber Adresse *Applicant's address*	222 W. Merchandise Mart Plaza, Chicago, Illinois 60654, USA
Angewandte Norm(en) *Applied standard(s)*	Motorola W18 E
	2011/65/EU & 2015/863/EU(RoHS)
	1907/2006/EC § 33 (REACH, SVHC)
	1907/2006/EC Annex XIV (REACH, Authorisation List)
	1907/2006/EC Annex XVII (REACH, List of restrictions)
Art der Prüflinge *Test item description*	**Smart Phone**
Warenzeichen *Trade Mark*	**Motorola/Lenovo**
Typenbezeichnungen(en) *Type reference(s)*	**Model: XT2227 Series** **S/N: NHAL1G0153**
Bemessungsdaten *Ratings*	

Zustand des Prüfmusters *Test sample condition*.....	☒	Unbeschädigtes Prüfmuster *Non-damaged sample*
	Bemerkung / *Remark:*	
Wareneingang Prüfmuster *Sample entry date*.....	2021-12-20	
Datum der Durchführung der Prüfungen *Date (s) of performance of tests*.....	2021-12-20 – 2022-03-04	

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

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

Durchgeführte Prüfungen / *Performed tests*			
Abschnitt *Clause*	Prüfanforderungen / *Requirement + Test*	Ergebnis – Anmerkung *Result – Remark*	Beurteilung *Verdict*
	Motorola W18 E	Substances detected	
	2011/65/EU & 2015/863/EU(RoHS)	Pass	P
	1907/2006/EC § 33 (REACH, SVHC)	Substances detected	Reporting required*
	1907/2006/EC Annex XIV (REACH, Authorisation List)	Substances detected	
	1907/2006/EC Annex XVII (REACH, List of restrictions)	Substances detected	
Ergänzende Information / *Supplementary information*:			
* According to the kind and extend of the tests performed no reporting is required on the functional unit level. However, reporting is required on the homogeneous material level due to 1,3-propanesultone 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) Spectro XEPOS HE (XL) Spectro XEPOS HE (XR)	Inv. No. 1150667 Inv. No. 1150529 Inv. No. 1150796	
Polymers	Infrared Spectrometry (IR)		Inhouse Method SOP TL72 0214 Version 1
	Bruker ALPHA (IR1) Bruker INVENIO S (IR2)	Inv. No. 1150578 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) Spectro Midex (M2) Spectro Midex (M3) Spectro Midex (M4) Bruker M4 Tornado	Inv. No. 1150728 Inv. No. 1150284 Inv. No. 1150774 Inv. No. 1150776 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) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4)	Inv. No. 5211095 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) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4)	Inv. No. 5211095 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) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4)	Inv. No. 5211095 Inv. No. 5211053	

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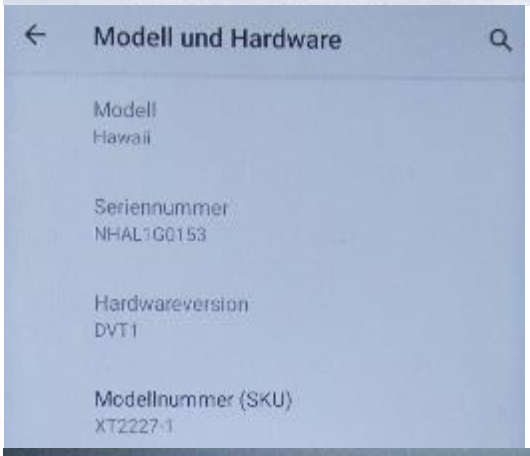
1 Description of the Sample (EUT)

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



2 Assessment summary of substances according to 12G02897W18

2.1 Global Compliance Acceptance Criteria (banned and controlled Substances)

Substances	Results
Asbestos, asbestos compounds	For indicator elements Al and Si see chapter 3 [1)]
Benzenamine, N-phenyl-, Reaction Products with Styrene and 2,4,4-Trimethylpentene (“BNST”)	n.t.
Chlorofluorocarbons and halons (Class I and II Ozone Depleting Chemicals) [1]	For indicator element Cl see chapter 3 [1)]
Halogenated dioxins and furans	(For indicator element Cl and Br see chapter 3 [1)])
Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), and Sulfur Hexafluoride (SF6)	n.t.
Mercury and Mercury Compounds	n.d. see chapter 3
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-imethylethyl)-	n.d. see chapter 5
Polychlorobiphenyls and derivatives (PCBs)	For indicator element Cl see chapter 3 [1)]
Polychloroterphenyls and derivatives (PCTs)	For indicator element Cl see chapter 3 [1)]
Azo Dyes in leathers and textiles	n.a. (no leather and textiles)
Arsenic and arsenic compounds in wood products as a preservative [3]	For indicator element As see chapter 3 [1)]
Bisphenol-A [4]	Detected see chapter 5
Cadmium and cadmium compounds	n.d. see chapter 3
Cadmium, Chromium (VI), Lead and Mercury metals and compounds in packaging	n.a. (no packaging)
Cadmium and cadmium compounds in “portable” batteries	n.a. (no batteries)
Chromium (VI) compounds	n.d. see chapter 3
Chromium (VI) compounds in leather and textiles	n.a. (no leather and textiles)
Cobalt Dichloride	For indicator element Co see chapter 3 [1)]
Creosotes	For indicator substances (Anthracene, Benzo[a]pyrene etc.) see chapter 5
Diisobutyl Phthalate (DIBP), Dibutyl Phthalate (DBP), Benzyl Butyl Phthalate (BBP), Bis(2-ethylhexyl) Phthalate (DEHP)	n.d. see chapter 2.3, 3, 5
Diisononyl Phthalate (DINP)	n.d. see chapter 3, 5
Formaldehyde	n.a. (no Composite Wood Products, textiles, washing or cleaning agents, cosmetic care products)
Lead and lead compounds	**detected** see chapter 2.2; 2.3; 3; 4
Lead in cable jackets [1, 2]	n.d. see chapter 3
Nickel and nickel compounds [4]	**detected** see chapter 3 [2)]
Nonylphenol ethoxylate [7]	n.d. see chapter 5
Nonylphenol and its isomer mixtures [7]	n.d. see chapter 5

Substances	Results
Polybrominated biphenyls (PBBs)	n.d. see chapter 3
Polybrominated diphenyl ethers (PBDEs)	n.d. see chapter 3
Perchlorates-Lithium Perchlorate, Magnesium Perchlorate, Zinc Perclorate [5]	n.a. (no perchlorate Batteries)
Perfluoro alkyl sulfonates (PFAS), and derivatives (including PFOS)	n.t.
Perfluorooctanoic Acids	n.t.
Persistant Organic Pollutants (POP)	n.t. For indicator elements Br and Cl see chapter 3 [1)]
Poly Vinyl Chloride (PVC) vinyl chloride monomer in External Cables	n.d. see chapter 3 (no external cables)
Certain short and medium chained chlorinated paraffins	n.d.
REACH Authorised and Restricted Substances not otherwise listed	detected 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)] See sample FE2588-10 (Sn 0.12%)
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 FE2588-10 (Sn 0.12%)
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 2 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
FE2587-05	22-004 Smart Phone Hawaii 22 Model XT2227, Housing parts, Golden screw inserts		**Pb** (2.2 ± 0.9 % = 22000 ± 9000 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

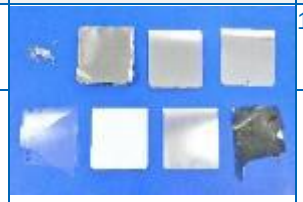
Sample Item	Description	Photo	Sub item	Material of Concern (Concentration) [1)]	Does that rating make use of an Exemption	Sub Item level acceptance rating
FE2596-11	22-004 Smart Phone Hawaii 22 Model XT2227, Main PWB		PWB (100%)[2)]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
FE2598-04	22-004 Smart Phone Hawaii 22 Model XT2227, Display flex, Flex		Flex (100%)[2)]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**

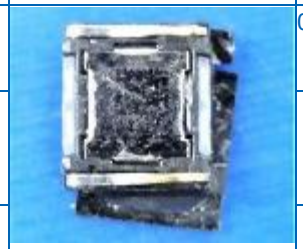
[1)] Threshold limits are given in ppm, exemptions are in wt.% - ppm = mg/kg (w/w)
[2)] Components have been identified that contain lead in ceramics. Due to expired exemption for lead in dielectric ceramic capacitors (of less than 125V AC or 250V DC) it has to be made sure that the exemption is really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

3 Material Assay Screening Results

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
22-004 Smart Phone Model #: XT2227 series								
FE2584-00	22-004 Smart Phone Hawaii 22 Model XT2227, Battery		64.937	35.19%				
FE2584-01	22-004 Smart Phone Hawaii 22 Model XT2227, Battery, Outer metal foil				3.55%	80% Metall 20% PP	Main: Al Si Fe; Other: P S Cl K Ca Ti Mn Cu; Trace: V Ni Zn Ga Mo Ce.	Reportable: Al Si P Fe;
FE2584-02	22-004 Smart Phone Model XT2227, Battery, Blue glue strip				0.06%	80% PET 20% SB	Main: Si P Co; Other: Al S Cl K Ca Cu; Trace: Ti V Cr Mn.	Reportable: Al Si P Co Cu;
FE2584-03	22-004 Smart Phone Model XT2227, Battery, Green glue strip				0.43%	80% PET 20% Acrylic	Main: Al P Ti Co Ni; Other: S K Ca Cu Zn Ta W; Trace: Cl Y Zr Sb I Cs La Ce.	Reportable: Al P Co Cu Zn Ta W; Controlled: Ni.
FE2584-04	22-004 Smart Phone Model XT2227, Battery, Clear glue strip				0.05%	80% PET 20% Acrylic	Main: ; Other: Al Si P S Cl K Ca Co; Trace: Ti V Cr Mn Ni Cu.	Reportable: Al Si P Co;
FE2584-05	22-004 Smart Phone Model XT2227, Battery, Contact strip 1				0.27%		Main: Al Ni Ta; Other: Si P S Ca Ti Cr Fe Co W Tl; Trace: V Mn Ga Ge.	Reportable: Al Cr Fe Co Ta W Tl; Controlled: Ni.
FE2584-06	22-004 Smart Phone Model XT2227, Battery, Contact strip 2				0.10%		Main: Al; Other: Si P Fe; Trace: S Ca Ti V Cr Mn Co Ni Cu Zn Ga.	Reportable: Al Fe Co;

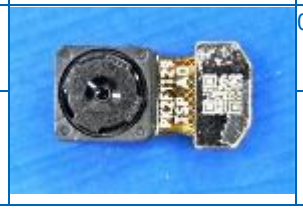
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds 1)
FE2584-07	22-004 Smart Phone Model XT2227, Battery, Copper foil				9.78%		Main: Cu; Other: Al Si P S Cr Co Ni Zn W; Trace: Ca Ti Ga Ge Br Bi.	Reportable: Al Cr Co Cu W; Controlled: Ni.
FE2584-08	22-004 Smart Phone Model XT2227, Battery, Silver foil				8.00%		Main: Al Co; Other: Si P Ti Fe Ni Cu; Trace: S Ca V Mn Zn Ga.	Reportable: Al Fe Co Cu;
FE2584-09	22-004 Smart Phone Model XT2227, Battery, White foil				6.22%	PE-LD	Main: Al P S; Other: Si K Ca Co Cu; Trace: Cl Ti Cr Mn.	Reportable: Al P Co Cu;
FE2584-10	22-004 Smart Phone Model XT2227, Battery, Carbon coating				69.93%	Carbon	Main: Al Co; Other: Si P S Ti Ni Cu Hf; Trace: Ca Zn Ga Se Zr W.	Reportable: Al Si Co;
FE2584-11	22-004 Smart Phone Model XT2227, Battery, Yellow glue foil				0.40%	80% PAI 20% Acrylic	Main: ; Other: Al Si P S Cl K Ca Ti Co; Trace: V Cr Mn Fe Ni Cu Zn.	Reportable: Al Si Co; Controlled: Ni.
FE2584-12	22-004 Smart Phone Model XT2227, Battery, Black plastic cover				0.30%	PC	Main: P; Other: Al Si S Cl K Ca Ti Fe; Trace: V Cr Mn Co Ni Cu Zn.	Reportable: Al Si P Fe Co; Controlled: BPA.
FE2584-13	22-004 Smart Phone Model XT2227, Battery, Black glue strip 1				0.06%	80% Silicone 20% Acrylic	Main: Si; Other: Al P S Cl K Ca Fe Co Zn; Trace: Ti V Cr Mn Ni Cu Sb.	Reportable: Al Si Fe Co Zn;
FE2584-14	22-004 Smart Phone Model XT2227, Battery, Black glue strip 2				0.03%	60% PAI 20% PET 20% Acrylic	Main: Si; Other: Al P S Cl K Ca Ti Fe Co; Trace: V Cr Mn Ni Cu Zn.	Reportable: Al Si P Fe Co;
FE2584-15	22-004 Smart Phone Model XT2227, Battery, White glue strip				0.03%	80% PET 20% Acrylic	Main: Si Ti; Other: Al P S Cl K Ca V Fe Co; Trace: Cr Mn Ni Cu Zn Zr Nb Sn.	Reportable: Al Si Fe Co;
FE2584-16	22-004 Smart Phone Model XT2227, Battery, PWB				0.78%		Main: Al Si P S Ti Cu; Other: Cl Ca Ni Zn Zr Ag Sn Ba W; Trace: Cr Sr Ru Rh I Nd Bi.	Reportable: Al Si P Cu Ag Sn Ba W; Controlled: Ni BPA.

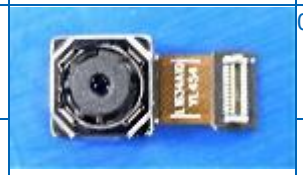
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FE2585-00	22-004 Smart Phone Model XT2227, Display assembly		18.504	10.03%				
FE2585-01	22-004 Smart Phone Model XT2227, Display assembly, Gray plastic frame				1.09%	PC	Main: Ti; Other: Al Si P S Cl K Ca V Fe; Trace: Co Ni Cu Zn Zr Nb.	Reportable: Al Si Fe Co; Controlled: BPA.
FE2585-02	22-004 Smart Phone Model XT2227, Display assembly, Display metal plate				45.93%		Main: Cr Mn Fe Ni; Other: Al Si P S V Co W; Trace: Ti Cu Ga Ge Mo.	Reportable: Al Cr Fe Co W; Controlled: Ni.
FE2585-03	22-004 Smart Phone Model XT2227, Display assembly, Reflection foil				6.40%	PET	Main: ; Other: Al Si S Cl K Ca Ag; Trace: P Ti V Cr Mn Co Ni Sb.	Reportable: Al Co Ag; Controlled: BPA.
FE2585-04	22-004 Smart Phone Model XT2227, Display assembly, Polarization foil 1				4.67%	PET	Main: Zr; Other: Al Si Cl K Ca Fe Y Hf; Trace: S Ti V Cr Mn Co Ni Cu Nb Sb.	Reportable: Al Si Fe Co Y; Controlled: BPA.
FE2585-05	22-004 Smart Phone Model XT2227, Display assembly, Diffuser plate				25.07%	PC	Main: ; Other: Al Si P Cl; Trace: S K Ca V Cr Mn Co Ni.	Reportable: Al Co; Controlled: BPA.
FE2585-06	22-004 Smart Phone Model XT2227, Display assembly, Diffuser foil				3.76%	PET	Main: Si Ti; Other: Al P S Cl K Ca; Trace: Cr Mn Co Ni.	Reportable: Al Si Co; Controlled: BPA.
FE2585-07	22-004 Smart Phone Model XT2227, Display assembly, Polarization foil 2				7.19%	PA PAN	Main: Zr; Other: Cl Y Hf; Trace: K Ca Ti V Cr Fe Co Ni Cu Nb Mo Sb.	Reportable: Co Y; Controlled: BPA.
FE2585-08	22-004 Smart Phone Model XT2227, Display assembly, Display front foil				5.90%	80% Polyester 20% Acrylic	Main: ; Other: Al Si P S Cl K Ca Ti I; Trace: Cr Mn Fe Co Ni Zn Ba.	Reportable: Al Si Co; Controlled: BPA.
FE2586-00	22-004 Smart Phone Model XT2227, Front glass with LCD		28.255	15.31%			Main: Al Si Ca; Other: P S Cl K Ti Br Sr Sn I Ba; Trace: Cr Mn Fe Ni Cu Zn Zr Mo Ag.	Reportable: Al Si Sn Ba; Controlled: BFR*.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FE2587-00	22-004 Smart Phone Model XT2227, Housing parts		46.208	25.04%				
FE2587-01	22-004 Smart Phone Model XT2227, Housing parts, Black plastic back cover				19.48%	PMMA	Main: Si; Other: Al P S Cl Ca Nb Ba; Trace: K V Cr Mn Fe Ni Cu.	Reportable: Al Si Ba; Controlled: BPA.
FE2587-02	22-004 Smart Phone Model XT2227, Housing parts, Blue plastic housing frame				19.27%	97% PC 3% PMMA	Main: ; Other: Al Si S Cl K Ca Ti Bi; Trace: P Ni Cu Zn Ba.	Reportable: Al Bi; Controlled: BPA.
FE2587-03	22-004 Smart Phone Model XT2227, Housing parts, Black plastic housing frame				8.97%	PC GF	Main: Si Ca; Other: Al P S Cl K Ti Fe Bi; Trace: Cr Mn Ni Cu Zn Sr Zr Ba.	Reportable: Al Si Fe Bi; Controlled: BPA.
FE2587-04	22-004 Smart Phone Model XT2227, Housing parts, Inner metal plate				52.03%		Main: Al Si S Ca Fe Cu Zn; Other: P Ti V Cr Mn Ni Ga Zr Bi; Trace: Sn W Tl.	Reportable: Al Cr Fe Cu Zn Bi; Controlled: Ni.
FE2587-05	22-004 Smart Phone Model XT2227, Housing parts, Golden screw inserts				0.26%		Main: Si Cu Zn; Other: Al P S Ca Fe Ni Ga Ge Sn W Pb Bi; Trace: Ti Cr Mn Sb Tl.	Reportable: Al Fe Cu Zn Sn W Bi; Controlled: Ni **Pb**.
FE2588-00	22-004 Smart Phone Model XT2227, Top speaker		0.371	0.20%				
FE2588-01	22-004 Smart Phone Model XT2227, Top speaker, Magnet				25.61%		Main: Fe Zn W; Other: Al Si P S Ca Ti V Cr Co Ni Cu Ga Ge Zr Nb; Trace: Mn Sn Tl.	Reportable: Al Cr Fe Co Cu Zn W; Controlled: Ni.
FE2588-02	22-004 Smart Phone Model XT2227, Top speaker, Metal plate 1				25.61%		Main: P Fe Ni; Other: Al Si S Ca Mn Co Cu Zn Bi; Trace: Ti Cr Ga Ge Mo.	Reportable: Al Fe Co Cu Zn Bi; Controlled: Ni.
FE2588-03	22-004 Smart Phone Model XT2227, Top speaker, Metal plate 2				8.36%		Main: P S Fe Ni; Other: Al Si Ca Mn Co Zn Bi; Trace: Ti V Cr Cu Ga Mo Sn.	Reportable: Al Fe Co Zn Bi; Controlled: Ni.

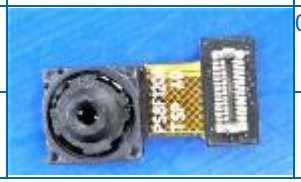
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FE2588-04	22-004 Smart Phone Model XT2227, Top speaker, Copper wire				2.96%		Main: Si Cu Ag; Other: Al P S Ca Co Ni Zn Ga Tl; Trace: Ti V Cr Mn Ge As Mo.	Reportable: Al Co Cu Ag Tl; Controlled: Ni.
FE2588-05	22-004 Smart Phone Model XT2227, Top speaker, Membrane				1.08%	TPU 50% PET 50%	Main: Si; Other: Al P S Cl K Ca; Trace: Ti V Cr Mn Fe Co Ni Cu Zn Mo.	Reportable: Al Si P Co;
FE2588-06	22-004 Smart Phone Model XT2227, Top speaker, Metal frame				14.82%		Main: P Ni Cu Zn; Other: Al Si S Ca Ti Fe Sn Bi; Trace: V Cr Co Ga Ge Se Br.	Reportable: Al Fe Co Cu Zn Sn Bi; Controlled: Ni.
FE2588-07	22-004 Smart Phone Model XT2227, Top speaker, Clear glue strip				0.27%	TPU	Main: ; Other: Al Si P S Cl K Ca Ni; Trace: Ti Cr Mn Fe Cu Zn Mo Sn La.	Reportable: Al Si;
FE2588-08	22-004 Smart Phone Model XT2227, Top speaker, Contact strips				5.12%		Main: S Cr Fe Ni Au; Other: Al Si P Ca V Mn Co Cu Zn Ga Ge Mo Sn; Trace: Ti.	Reportable: Al Cr Fe Co Cu Zn Sn Au; Controlled: Ni.
FE2588-09	22-004 Smart Phone Model XT2227, Top speaker, Black shock pad net				3.77%	60% PUR 20% PET 20% Acrylic	Main: Al Si; Other: P S Cl K Ca Ti Fe; Trace: Cr Mn Ni Cu Zn.	Reportable: Al Si Fe;
FE2588-10	22-004 Smart Phone Model XT2227, Top speaker, Black plastic frame				12.13%	PA GF	Main: Al Si Ca; Other: P S Cl K Ti Fe Ni Sn; Trace: V Cr Mn Cu Zn Sr Zr Mo.	Reportable: Al Si Fe Sn; Controlled: Ni BPA.
FE2588-11	22-004 Smart Phone Model XT2227, Top speaker, White glue strips				0.27%	80% PET 20% Acrylic	Main: ; Other: Al Si S Cl K Ca Ti; Trace: P Cr Mn Fe Ni Cu Zn Mo Sb I.	Reportable: Al Si;
FE2589-00	22-004 Smart Phone Model XT2227, Bottom speaker		2.905	1.57%				
FE2589-01	22-004 Smart Phone Model XT2227, Bottom				15.04%		Main: Fe Zn W; Other: Al Si P S Ca Ti V Cr	Reportable: Al Cr Fe Co Cu Zn 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)]
	speaker, Magnet						Co Cu Ga Ge Zr Nb; Trace: Mn Ni Ag Sn Tl.	
FE2589-02	22-004 Smart Phone Model XT2227, Bottom speaker, Metal plate 1				14.60%		Main: P Fe Ni; Other: Al Si S Ca Mn Co Cu Zn Bi; Trace: Ti Ga Ge Br.	Reportable: Al Fe Co Bi; Controlled: Ni.
FE2589-03	22-004 Smart Phone Model XT2227, Bottom speaker, Metal plate 2				5.06%		Main: P Fe Ni; Other: Al Si S Ca Mn Co Cu Zn Bi; Trace: Ti Cr Ga Ge.	Reportable: Al Fe Co Zn Bi; Controlled: Ni.
FE2589-04	22-004 Smart Phone Model XT2227, Bottom speaker, Metal housing plate				33.67%		Main: Cr Mn Fe Ni; Other: Al Si P S Ca V Co Cu Mo W; Trace: Ti Ga Ge Sn.	Reportable: Al Cr Fe Co Cu W; Controlled: Ni.
FE2589-05	22-004 Smart Phone Model XT2227, Bottom speaker, Metal frame				3.27%		Main: P S Fe Ni; Other: Al Si Ca Co Zn Ta Bi; Trace: Ti Mn Ga Ge As Br Mo Tl.	Reportable: Al Fe Co Zn Ta Bi; Controlled: Ni.
FE2589-06	22-004 Smart Phone Model XT2227, Bottom speaker, Contact strips				1.10%		Main: Al Si S Cr Fe Ni Sn Au; Other: P V Mn Co Cu Ga Ge Mo; Trace: Ti Zn Nb.	Reportable: Al Cr Fe Co Cu Sn Au; Controlled: Ni.
FE2589-07	22-004 Smart Phone Model XT2227, Bottom speaker, Copper wire				1.34%		Main: S Cu Ag; Other: Al Si P Ca Ni Zn Ga Tl; Trace: Ti V Cr Mn Ge As Sn.	Reportable: Al Cu Ag Tl; Controlled: Ni.
FE2589-08	22-004 Smart Phone Model XT2227, Bottom speaker, Black shock pad				0.28%	60% PUR 20% PET 20% Acrylic	Main: S; Other: Al Si P Cl K Ca Fe; Trace: Ti V Cr Mn Ni Cu Zn.	Reportable: Al Si Fe;
FE2589-09	22-004 Smart Phone Model XT2227, Bottom speaker, Membrane				0.48%	80% Metal 20% PPS/PC	Main: Al; Other: Si Fe Cu Ag; Trace: P S Cl K Ca Ti V Ni Mo.	Reportable: Al Fe Cu Ag;
FE2589-10	22-004 Smart Phone Model XT2227, Bottom				25.16%	PC	Main: Si Ca; Other: Al P S Cl K Ti Fe;	Reportable: Al Si Fe; Controlled: BPA.

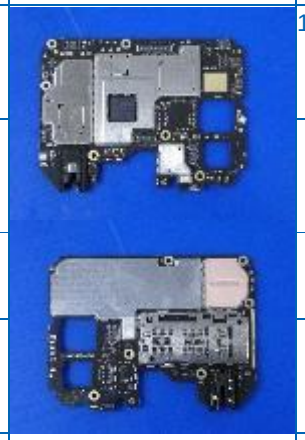
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
	speaker, Black plastic frame						Trace: V Cr Mn Ni Cu Br Sr Zr Mo.	
FE2590-00	22-004 Smart Phone Model XT2227, Vibra call		0.910	0.49%				
FE2590-01	22-004 Smart Phone Model XT2227, Vibra call, Metallic glue strip				1.10%	80% PET 20% Acrylic	Main: Si Ni Cu; Other: Al P S Cl K Ca Fe Zn Hf; Trace: Ti V Cr Mn Y Nb Mo Sb La.	Reportable: Al Si Fe Cu Zn; Controlled: Ni.
FE2590-02	22-004 Smart Phone Model XT2227, Vibra call, Housing				25.60%		Main: P Fe Ni; Other: Al Si S Ca Ti Mn Co Zn Sn; Trace: Cr Ga Bi.	Reportable: Al Fe Co Zn Sn; Controlled: Ni.
FE2590-03	22-004 Smart Phone Model XT2227, Vibra call, Magnet				22.97%		Main: Al Si Fe Ni Cu; Other: P S Ca Ti V Cr Mn Co Zn Ga Ge Zr Nb Mo Tl; Trace: Sn Sb W.	Reportable: Al Cr Fe Co Cu Zn Tl; Controlled: Ni.
FE2590-04	22-004 Smart Phone Model XT2227, Vibra call, Flex				0.88%		Main: Al P S Ni Cu; Other: Si Cl Ca Zn Zr Hf Au; Trace: Ti Cr Ga Ge.	Reportable: Al Si P Cu Au; Controlled: Ni.
FE2590-05	22-004 Smart Phone Model XT2227, Vibra call, PWB				28.57%		Main: Al Si P S Ca Fe Ni Cu W Au; Other: Cl Ti Co Ge Sr Sn Ba; Trace: Ga Zr Ru Rh Ce.	Reportable: Al Si P Fe Co Cu Sn Ba W Au; Controlled: Ni.
FE2590-06	22-004 Smart Phone Model XT2227, Vibra call, Metal plating				20.88%		Main: P Fe Ni; Other: Al Si S Ti Cr Mn Co Bi; Trace: Ca V Zn Ga Ge Mo.	Reportable: Al Cr Fe Co Bi; Controlled: Ni.
FE2591-00	22-004 Smart Phone Model XT2227, Back camera 1		0.245	0.13%				
FE2591-01	22-004 Smart Phone Model XT2227, Back camera 1, Black plastic frame				25.71%	Polyester GF	Main: Si S Ca; Other: Al P Cl K Fe Ba; Trace: Mn Ni Sr.	Reportable: Al Si Fe Ba;

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)]
FE2591-02	22-004 Smart Phone Model XT2227, Back camera 1, Black plastic housing				6.12%	PC	Main: ; Other: Al Si P S Cl K Ca; Trace: Ti V Cr Mn Fe Ni Zn.	Reportable: Al Si; Controlled: BPA.
FE2591-03	22-004 Smart Phone Model XT2227, Back camera 1, Black plastic ring				0.82%	PC	Main: S; Other: Al Si P Cl K Ca Ti; Trace: V Cr Mn Fe Ni.	Reportable: Al Si; Controlled: BPA.
FE2591-04	22-004 Smart Phone Model XT2227, Back camera 1, Foil rings				0.41%	PET	Main: Si S; Other: Al P Cl K Ca; Trace: Ti V Cr Mn Ni Mo.	Reportable: Al Si;
FE2591-05	22-004 Smart Phone Model XT2227, Back camera 1, Glass lens				1.63%		Main: Al Si; Other: P S Cl K Ti Zn; Trace: Ca Ni.	Reportable: Al Si Zn;
FE2591-06	22-004 Smart Phone Model XT2227, Back camera 1, Plastic lenses				4.49%	TPE	Main: Si; Other: Al S Ti; Trace: P Cl K Ca Cr Mn Ni.	Reportable: Al Si; Controlled: BPA.
FE2591-07	22-004 Smart Phone Model XT2227, Back camera 1, Flex				60.82%		Main: Al Si S Ca Ti Fe Ni Cu; Other: P Cl Cr Co Zn Sr Zr Ag Sn Ba Hf W Au; Trace: Ga Br Mo Ru Ce Pr.	Reportable: Al Si P Cr Fe Co Cu Ag Sn Ba W Au; Controlled: Ni.
FE2592-00	22-004 Smart Phone Model XT2227, Back camera 2		0.528	0.29%				
FE2592-01	22-004 Smart Phone Model XT2227, Back camera 2, Metal frame				36.36%		Main: Al Si P S Ca Fe Ni Cu; Other: Ti V Cr Mn Co Zn Ga Ge Br Zr Nb; Trace: Mo Tl Bi.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.
FE2592-02	22-004 Smart Phone Model XT2227, Back camera 2, Copper glue strip				3.03%		Main: Ni Cu; Other: Al Si P S Ca Ti Zn; Trace: V Cr Co Ga Ge Br Bi.	Reportable: Al Co Cu Zn; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FE2592-03	22-004 Smart Phone Model XT2227, Back camera 2, Copper wire				2.84%		Main: S Cu; Other: Al Si P Ca Fe Ni Zn Ga Ta Tl; Trace: Ti V Cr Mn Ge As.	Reportable: Al Fe Cu Zn Ta Tl; Controlled: Ni.
FE2592-04	22-004 Smart Phone Model XT2227, Back camera 2, Black plastic housing				6.44%	PC	Main: ; Other: Al Si P S Cl K Ca; Trace: Ti Cr Fe Ni Cu Zn.	Reportable: Al Si; Controlled: BPA.
FE2592-05	22-004 Smart Phone Model XT2227, Back camera 2, Black plastic ring				5.49%	Polyester GF	Main: Si Ca; Other: Al S Cl K Fe Cu Sr Ba; Trace: P Cr Mn Ni Zn Sn.	Reportable: Al Si Fe Cu Ba; Controlled: BPA.
FE2592-06	22-004 Smart Phone Model XT2227, Back camera 2, Black foil rings				0.19%	PET	Main: Si S; Other: Al P Cl K Ca; Trace: Ti V Cr Mn Ni Zn.	Reportable: Al Si;
FE2592-07	22-004 Smart Phone Model XT2227, Back camera 2, Black plastic frame 1				5.11%	Polyester GF	Main: Si S Ca; Other: Al P Cl K Mn Fe Ba; Trace: Ti Cr Ni Zn Sr.	Reportable: Al Si Fe Ba; Controlled: BPA.
FE2592-08	22-004 Smart Phone Model XT2227, Back camera 2, Plastic lenses				6.44%	PMMA	Main: Si Ti; Other: Al P S Cl K; Trace: Ca Cr Mn Ni.	Reportable: Al Si; Controlled: BPA.
FE2592-09	22-004 Smart Phone Model XT2227, Back camera 2, Contacts				0.76%		Main: Si S Ca Ti Ni Cu Zn Sn; Other: Al P V Mn Fe Ag Au Tl; Trace: Cr Co Ga Ge.	Reportable: Al Fe Co Cu Zn Ag Sn Au Tl; Controlled: Ni.
FE2592-10	22-004 Smart Phone Model XT2227, Back camera 2, Blue glass plate				2.27%		Main: Al Si P Ti Ba; Other: S Cl K Ca Cu Zn; Trace: Sr I Ce.	Reportable: Al Si P Cu Zn Ba;
FE2592-11	22-004 Smart Phone Model XT2227, Back camera 2, Black plastic frame 2				8.14%	PA GF	Main: Al Si S Ca Ti; Other: P Cl K Mn Fe Cu Zn Ba; Trace: V Cr Ni Sr Zr Nb Mo.	Reportable: Al Si P Fe Cu Zn Ba; Controlled: BPA.

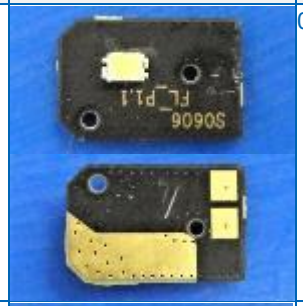
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FE2592-12	22-004 Smart Phone Model XT2227, Back camera 2, Flex				22.92%		Main: Al Si S Ca Ni Cu Sn; Other: P Cl K Ti Fe Zn Sr Zr Pd Ag Ba Hf Au; Trace: Co Ga Ge.	Reportable: Al Si P Fe Co Cu Pd Ag Sn Ba Au; Controlled: Ni.
FE2593-00	22-004 Smart Phone Model XT2227, Back camera 3		0.222	0.12%				
FE2593-01	22-004 Smart Phone Model XT2227, Back camera 3, Black plastic frame				18.02%	Polyester GF	Main: Al Si K; Other: S Cl Ca Ti Fe Rb; Trace: P V Cr Mn Ni Zn Ga Nb Ba.	Reportable: Al Si Fe Rb; Controlled: BPA.
FE2593-02	22-004 Smart Phone Model XT2227, Back camera 3, Black plastic housing				12.61%	PC	Main: ; Other: Al Si S Cl K Ca Ti Fe Zn; Trace: P V Cr Mn Ni Cu W.	Reportable: Al Si Fe Zn; Controlled: BPA.
FE2593-03	22-004 Smart Phone Model XT2227, Back camera 3, Glass lens				1.35%		Main: Si S; Other: Al P Cl K Ca Ti Zn; Trace: V Cr Mn Fe Ni.	Reportable: Al Si Zn;
FE2593-04	22-004 Smart Phone Model XT2227, Back camera 3, Plastic lenses				1.35%	PMMA	Main: Si; Other: Al P S Cl K Ca Ti; Trace: Cr Mn Fe Ni Zn.	Reportable: Al Si;
FE2593-05	22-004 Smart Phone Model XT2227, Back camera 3, Black foil rings				0.45%	PET	Main: S; Other: Al Si P Cl K Ca; Trace: Ti V Cr Mn Ni.	Reportable: Al Si;
FE2593-06	22-004 Smart Phone Model XT2227, Back camera 3, Flex				66.22%		Main: Al Si S Ca Cu; Other: P Cl Ti Fe Co Ni Sr Zr Ag Sn Ba W; Trace: Zn Mo Au.	Reportable: Al Si Fe Co Cu Ag Sn Ba W; Controlled: Ni.
FE2594-00	22-004 Smart Phone Model XT2227, Front camera		0.209	0.11%				
FE2594-01	22-004 Smart Phone Model XT2227, Front camera, Blue glass				4.78%		Main: Al Si P Ca Ti; Other: S Cl K Cu Zn Ba; Trace: Ni Sr I.	Reportable: Al Si P Cu Zn Ba;

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)]
	plate							
FE2594-02	22-004 Smart Phone Model XT2227, Front camera, Black plastic frame				23.92%	Polyester GF	Main: Si S Ca; Other: Al P Cl K Ti Mn Fe Cu Zn Ba; Trace: Cr Ni Sr.	Reportable: Al Si P Fe Cu Zn Ba; Controlled: BPA.
FE2594-03	22-004 Smart Phone Model XT2227, Front camera, Black plastic housing				9.57%	PC	Main: Si; Other: Al P S Cl K Ca; Trace: Ti V Cr Mn Fe Ni Cu.	Reportable: Al Si; Controlled: BPA.
FE2594-04	22-004 Smart Phone Model XT2227, Front camera, Black metal ring				8.13%		Main: S Cu Zn; Other: Al Si P Ca Fe Ni W Bi; Trace: Ti Cr Mn Ga Ge As Br Sn.	Reportable: Al Fe Cu Zn W Bi;
FE2594-05	22-004 Smart Phone Model XT2227, Front camera, Black foil rings				0.48%	PET	Main: Si S; Other: Al P Cl K Ca; Trace: Ti V Cr Mn Ni.	Reportable: Al Si;
FE2594-06	22-004 Smart Phone Model XT2227, Front camera, Plastic lenses				7.18%	EP	Main: Si S; Other: Al P Cl K Ca Ti; Trace: Cr Mn Fe Ni Cu.	Reportable: Al Si; Controlled: BPA.
FE2594-07	22-004 Smart Phone Model XT2227, Front camera, Flex				45.93%		Main: Al Si P S Ni Cu; Other: Cl Ca Ti Co Zn Ge Sr Zr Pd Sn Ba Hf Au; Trace: Ga Ag I.	Reportable: Al Si P Co Cu Zn Pd Sn Ba Au; Controlled: Ni.
FE2595-00	22-004 Smart Phone Model XT2227, Buttons		0.518	0.28%				
FE2595-01	22-004 Smart Phone Model XT2227, Buttons, Volume button				9.85%	50% TPU 50% PC	Main: Si; Other: Al S Cl K Ca Ti; Trace: P V Cr Mn Fe Ni Cu Zn Mo.	Reportable: Al Si; Controlled: BPA.
FE2595-02	22-004 Smart Phone Model XT2227, Buttons, Label				0.39%	80% PET 20% Acrylic	Main: Si Ti; Other: Al P S Cl K Ca; Trace: Cr Mn Fe Ni Zr Nb Mo.	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)]
FE2595-03	22-004 Smart Phone Model XT2227, Buttons, Black plastic strip				6.37%	70% TPU 30% EP	Main: S Ca Ti; Other: Al Si P Cl K; Trace: Cr Mn Fe Ni Zr Nb Mo.	Reportable: Al Si; Controlled: BPA.
FE2595-04	22-004 Smart Phone Model XT2227, Buttons, Metallic glue strip				0.39%	80% PET 20% Acrylic	Main: Al Si Ni Cu; Other: P S Ca Ti Mn Fe Zn Ga Tl; Trace: V Cr Co Ge As Mo Sn.	Reportable: Al Fe Co Cu Zn Tl; Controlled: Ni.
FE2595-05	22-004 Smart Phone Model XT2227, Buttons, Button flex 1/Power button				53.47%		Main: Al P S Ni Cu; Other: Si Cl Ca Ti Cr Fe Co Zn Zr Mo Ba Hf Au; Trace: Ga Ge Sr Ru Rh Ag Sn Nd.	Reportable: Al Si P Cr Fe Co Cu Ba Au; Controlled: Ni.
FE2595-06	22-004 Smart Phone Model XT2227, Buttons, Button flex 2				29.54%		Main: Al Cr Fe Ni Cu; Other: Si P S Cl K Ca Ti V Mn Co Zn Zr Mo Ag Sn Hf; Trace: Ga Rh I Nd Au.	Reportable: Al Si P Cr Fe Co Cu Ag Sn; Controlled: Ni.
FE2596-00	22-004 Smart Phone Model XT2227, Main PWB		13.782	7.47%				
FE2596-01	22-004 Smart Phone Model XT2227, Main PWB, Thermal paste				2.82%	Silicone	Main: Si Zn; Other: Al P S Cl K Ca Fe; Trace: Ti V Cr Mn Ni Ga Hf.	Reportable: Al Si P Fe Zn;
FE2596-02	22-004 Smart Phone Model XT2227, Main PWB, Rubber shielding				0.87%	Silicone	Main: Si; Other: Al P S Cl K Ca Fe; Trace: Ti Mn Ni Zn.	Reportable: Al Si Fe;
FE2596-03	22-004 Smart Phone Model XT2227, Main PWB, Copper glue foil				0.24%		Main: S Ni Cu; Other: Al Si P Ca Zn W; Trace: Ti Cr Mn Co Ga Ge Br Sn Bi.	Reportable: Al Co Cu Zn W; Controlled: Ni.
FE2596-04	22-004 Smart Phone Model XT2227, Main PWB, Glue foil squares				0.01%	80% Paper 20% Acrylic	Main: Si Ca; Other: Al P S Cl K Ti; Trace: Cr Mn Fe Co Ni Cu Sr Nb Mo Ag.	Reportable: Al Si Co;

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)]
FE2596-05	22-004 Smart Phone Model XT2227, Main PWB, Metal lever 1				0.22%		Main: S Cr Mn Fe Ni; Other: Al Si P Ca Ti V Co Cu; Trace: Ga Ge Zr Nb Mo.	Reportable: Al Cr Fe Co; Controlled: Ni.
FE2596-06	22-004 Smart Phone Model XT2227, Main PWB, Metal lever 2				0.75%		Main: S Cr Fe Ni; Other: Al Si P Ca V Mn Co Cu Ga Mo W; Trace: Ti Ge Sn.	Reportable: Al Cr Fe Co Cu; Controlled: Ni.
FE2596-07	22-004 Smart Phone Model XT2227, Main PWB, Metal shielding plates				20.58%		Main: Ni Cu Zn; Other: Al Si P S Mn Fe Ag Sn W; Trace: Ca Ti Cr Co Ga Ge.	Reportable: Al Fe Co Cu Zn Ag Sn W; Controlled: Ni.
FE2596-08	22-004 Smart Phone Model XT2227, Main PWB, Metal shielding frame				6.09%		Main: Ni Cu Zn; Other: Al Si P S Mn Fe Sn W; Trace: Ca Ti V Co Ga Ge Br.	Reportable: Al Fe Co Cu Zn W; Controlled: Ni.
FE2596-09	22-004 Smart Phone Model XT2227, Main PWB, Metal shielding cover				5.25%		Main: Cr Mn Fe Ni; Other: Al Si P S V Co Cu Mo W; Trace: Ca Ti Zn Ga Ge Sn.	Reportable: Al Cr Fe Co Cu W; Controlled: Ni.
FE2596-10	22-004 Smart Phone Model XT2227, Main PWB, Metal shielding plate 2				4.56%		Main: Al Cr Mn Fe Ni; Other: Si P S Ca V Co Cu Zn Mo; Trace: Ti Ga Ge Nb Sn.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.
FE2596-11	22-004 Smart Phone Model XT2227, Main PWB				58.61%		(see x,y-Scan Results, Chapter 4)	**Controlled: Pb.**
FE2597-00	22-004 Smart Phone Model XT2227, Sub PWB		0.983	0.53%				
FE2597-01	22-004 Smart Phone Model XT2227, Sub PWB, Glue foil				0.10%	30% PP 30% Paper 20% Acrylic	Main: S; Other: Al Si P Cl K Ca Ti; Trace: V Cr Mn Fe Ni Zn Mo.	Reportable: Al Si;
FE2597-02	22-004 Smart Phone Model XT2227, Sub PWB, Black rubber shielding				12.41%	Silicone	Main: Si; Other: Al S Cl K Ca Fe; Trace: P Ti Cr Mn Ni Zn Ce.	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)]
FE2597-03	22-004 Smart Phone Model XT2227, Sub PWB				86.78%		Main: Al Si S Cu Sn; Other: P Cl K Ca Ti Cr Fe Ni Sr Zr Ag Ba Hf Au Bi; Trace: Mn Zn Ga Ge Pd Cs La Ce Pr W.	Reportable: Al Si P Cr Fe Cu Ag Sn Ba Au Bi; Controlled: Ni.
FE2597-04	22-004 Smart Phone Model XT2227, Sub PWB, Metal cover				0.71%		Main: P S Ni Cu Zn; Other: Al Si Ca Ti Ga Ag Sn; Trace: V Cr Mn Fe Co Ge As Br.	Reportable: Al Co Cu Zn Ag Sn; Controlled: Ni.
FE2598-00	22-004 Smart Phone Model XT2227, Display flex		1.289	0.70%				
FE2598-01	22-004 Smart Phone Model XT2227, Display flex, Copper foil				3.96%	80% Cu 20% Silicone	Main: Si Ni Cu; Other: Al Ca Zn; Trace: P S Ti V Co Ga Ge Br Sn Sb W Bi.	Reportable: Al Co Cu Zn; Controlled: Ni.
FE2598-02	22-004 Smart Phone Model XT2227, Display flex, Metallic glue strip 1				0.54%	80% PET 20% Acrylic	Main: Al Si S Ni Cu; Other: P Ca Ti Cr Fe Zn Ga Tl; Trace: V Co Ge As Mo Sn Sb.	Reportable: Al Cr Fe Co Cu Zn Tl; Controlled: Ni.
FE2598-03	22-004 Smart Phone Model XT2227, Display flex, Metalic glue strip 2				3.72%	80% PET 20% Acrylic	Main: Ni Cu; Other: Al Si P S Ca Ti Zn Tl; Trace: Co Ga Ge As Sn Sb.	Reportable: Al Co Cu Zn Tl; Controlled: Ni.
FE2598-04	22-004 Smart Phone Model XT2227, Display flex, Flex				91.78%		(see x,y-Scan Results, Chapter 4) Main: Al Si P S Ni Cu Sn Au; Other: Cl K Ca Ti Fe Zn Ge Sr Ru Ag Ba Hf Pb Bi; Trace: Cr Zr Rh Pd Te La Ce Pr.	Reportable: Al Si P Fe Cu Ag Sn Ba Au Bi; Controlled: Ni **Pb**.

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)]
FE2599-00	22-004 Smart Phone Model XT2227, Lightning PWB		0.168	0.09%			Main: Al Si P S Ni Cu; Other: Cl K Ca Ti Ge Sr Sn Ba Hf Au; Trace: Ru Rh Pd Ag I.	Reportable: Al Si P Cu Sn Ba Au; Controlled: Ni.
FE2600-00	22-004 Smart Phone Model XT2227, Connection flex		0.031	0.02%				
FE2600-01	22-004 Smart Phone Model XT2227, Connection flex				96.77%		Main: Al Si P S Ni Cu; Other: Cl Ca Ti Cr Zn Zr Hf Au; Trace: Mn Co Ga Ge Rh Pd Nd.	Reportable: Al Si P Cr Co Cu Au; Controlled: Ni.
FE2600-02	22-004 Smart Phone Model XT2227, Connection flex, Metallic glue strip				3.23%	Acrylic	Main: Ni Cu; Other: Al Si P S Ca Ti Mn Fe Zn Ga Ta Tl; Trace: Cr Co Ge As Mo Sb.	Reportable: Al Fe Co Cu Zn Ta Tl; Controlled: Ni.
FE2601-00	22-004 Smart Phone Model XT2227, Flex foil		0.014	0.01%				
FE2601-01	22-004 Smart Phone Model XT2227, Flex foil				92.86%		Main: Al Si P S Ca Ni Cu; Other: Cl K Ti Fe Sr Zr Au; Trace: Cr Zn Ge Y Nb.	Reportable: Al Si P Fe Cu Au; Controlled: Ni.
FE2601-02	22-004 Smart Phone Model XT2227, Flex foil, Clear glue strip				7.14%	PET 80% Acrylic 20%	Main: ; Other: Al Si P S Cl K Ca Fe; Trace: Ti Cr Mn Ni Cu Zn Nb Mo.	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)]
FE2602-00	22-004 Smart Phone Model XT2227, Sim card holder		0.623	0.34%				
FE2602-01	22-004 Smart Phone Model XT2227, Sim card holder, Black plastic frame				44.94%	PC GF	Main: Si P Ca; Other: Al S Cl K Ti Cr Fe Br; Trace: V Mn Ni Cu Zn Sr Zr Sn.	Reportable: Al Si P Cr Fe; Controlled: BFR* BPA.
FE2602-02	22-004 Smart Phone Model XT2227, Sim card holder, Metal frame				53.61%		Main: S Cr Mn Fe Ni; Other: Al Si P Ca V Co Cu Mo W; Trace: Ti Ga Ge Nb.	Reportable: Al Cr Fe Co Cu W; Controlled: Ni.
FE2602-03	22-004 Smart Phone Model XT2227, Sim card holder, Black seal ring				1.44%	Silicone	Main: Si; Other: Al S Cl K Ca Fe; Trace: P Ti Cr Mn Ni.	Reportable: Al Si Fe;
FE2603-00	22-004 Smart Phone Model XT2227, Black connection cable		0.155	0.08%				
FE2603-01	22-004 Smart Phone Model XT2227, Black connection cable, Inner cable wire				7.10%		Main: Cu Ag; Other: Al Si P S Ca Ni Zn Ga Tl; Trace: Ti V Cr Ge As.	Reportable: Al Cu Ag Tl;
FE2603-02	22-004 Smart Phone Model XT2227, Black connection cable, Inner cable jacket				23.23%	PTFE	Main: S; Other: Al Si P Cl K Ti; Trace: Ca V Cr Mn Ni Cu.	Reportable: Al Si;
FE2603-03	22-004 Smart Phone Model XT2227, Black connection cable, Golden contacts				1.29%		Main: Al Si S Ni Cu Sn Au; Other: P Ca Ti V Cr Ga Ge; Trace: Mn Co Br Nb Mo.	Reportable: Al Cr Co Cu Sn Au; Controlled: Ni.
FE2603-04	22-004 Smart Phone Model XT2227, Black connection cable, Black plastic insert				1.29%	PBT	Main: Al Si P Ca; Other: S Cl K Ti Fe Zn; Trace: V Cr Mn Ni Cu Sr Zr Mo Sn Ba.	Reportable: Al Si P Fe;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FE2603-05	22-004 Smart Phone Model XT2227, Black connection cable, Outer cable wire				24.52%		Main: Cu Sn; Other: Al Si P S Ni Zn Tl; Trace: Ti V Cr Mn Ga Ge.	Reportable: Al Cu Zn Sn Tl;
FE2603-06	22-004 Smart Phone Model XT2227, Black connection cable, Outer cable jacket				20.65%	PTFE	Main: ; Other: Al Si S Cl K Cu Hf; Trace: P Ca Ti V Cr Mn Ni Mo Sn.	Reportable: Al Si Cu;
FE2603-07	22-004 Smart Phone Model XT2227, Black connection cable, Golden metal contact holder				21.94%		Main: S Ni Cu Sn; Other: Al Si P Ca Ti Zn Ga Ge Ag Au Tl; Trace: V Cr Mn Co.	Reportable: Al Co Cu Ag Sn Au Tl; Controlled: Ni.
FE2604-00	22-004 Smart Phone Model XT2227, Antenna flex 1-3		0.220	0.12%				
FE2604-01	22-004 Smart Phone Model XT2227, Antenna flex 1				38.64%		Main: Al Si P S Ti Ni Cu; Other: Cl Ca Zn Zr Hf Au; Trace: K Cr Ga Ge Ru Rh Ba Nd.	Reportable: Al Si P Cu Zn Au; Controlled: Ni.
FE2604-02	22-004 Smart Phone Model XT2227, Antenna flex 1, Black shock pad				3.18%	PUR 60% PET 20% Acrylic 20%	Main: ; Other: Al Si P S Cl K Ca Fe; Trace: Ti V Cr Mn Ni Zn.	Reportable: Al Si Fe;
FE2604-03	22-004 Smart Phone Model XT2227, Antenna flex 1, Clear glue				9.55%	Acrylic	Main: ; Other: Al Si P S Cl K Ca Ti Fe; Trace: Cr Mn Ni Cu Zn.	Reportable: Al Fe;
FE2604-04	22-004 Smart Phone Model XT2227, Antenna flex 2				34.55%		Main: Al Si P S Ni Cu; Other: Cl Zn Zr Hf Au; Trace: Ti Cr Ga Ge.	Reportable: Al Si P Cu Zn Au; Controlled: Ni.
FE2604-05	22-004 Smart Phone Model XT2227, Antenna flex 3				14.09%		Main: Al Si P S Ni Cu; Other: Cl Ti Zr Hf Au; Trace: Cr Zn Ga Nd.	Reportable: Al Si P Cu 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)]
FE2605-00	22-004 Smart Phone Model XT2227, Glass cover 1-3		0.217	0.12%				
FE2605-01	22-004 Smart Phone Model XT2227, Glass cover 1				42.40%		Main: Al Si K; Other: Cl Ca Sn Ba; Trace: P Ti Fe Ni Zn Ga Sr Zr.	Reportable: Al Si Sn Ba;
FE2605-02	22-004 Smart Phone Model XT2227, Glass cover 2				28.57%		Main: Al Si K; Other: P S Cl Ca Ti Cr Sn; Trace: Fe Ni Zn Ga Sr Zr Ba.	Reportable: Al Si Cr Sn;
FE2605-03	22-004 Smart Phone Model XT2227, Glass cover 3				29.03%		Main: Al Si K; Other: S Cl Ca Ti Cr Fe Sn Ba; Trace: P Ni Zn Ga Sr Zr Mo.	Reportable: Al Si Cr Fe Sn Ba;
FE2606-00	22-004 Smart Phone Model XT2227, Light guide 1-2		0.047	0.03%				
FE2606-01	22-004 Smart Phone Model XT2227, Light guide 1				78.72%	PMMA	Main: S; Other: Al Si P Cl K; Trace: Ca Ti V Cr Mn Fe Ni.	Reportable: Al; Controlled: BPA.
FE2606-02	22-004 Smart Phone Model XT2227, Light guide 2				21.28%	PMMA	Main: S; Other: Al Si P Cl K Ca; Trace: Ti V Cr Mn Fe Ni Cu Zn.	Reportable: Al Si; Controlled: BPA.
FE2607-00	22-004 Smart Phone Model XT2227, Rubber parts		0.048	0.03%				
FE2607-01	22-004 Smart Phone Model XT2227, Rubber parts, Black rubber cover				20.83%	Silicone	Main: Si; Other: Al P S Cl K Ca Fe; Trace: Ti Mn Ni.	Reportable: Al Si Fe;
FE2607-02	22-004 Smart Phone Model XT2227, Rubber parts, Clear rubber cover				25.00%	Silicone	Main: Si; Other: Al P S Cl Ca; Trace: K Ti Fe.	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)]
FE2607-03	22-004 Smart Phone Model XT2227, Rubber parts, Black rubber inlay				37.50%	Silicone	Main: Si; Other: Al P S Cl K Ca Ti Fe; Trace: Cr Mn Ni Cu Zn Zr.	Reportable: Al Si Fe;
FE2607-04	22-004 Smart Phone Model XT2227, Rubber parts, Pink rubber frame				14.58%	Silicone 60% PET 20% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca; Trace: Ti Cr Mn Fe Ni Cu Zn.	Reportable: Al Si;
FE2607-05	22-004 Smart Phone Model XT2227, Rubber parts, Black plastic net				2.08%	PET 80% Acrylic 20%	Main: S; Other: Al Si P Cl K Ca Ti; Trace: Cr Mn Fe Ni Cu Zn.	Reportable: Al Si;
FE2608-00	22-004 Smart Phone Model XT2227, Black shock pads		0.167	0.09%				
FE2608-01	22-004 Smart Phone Model XT2227, Black shock pad 1				4.79%	PUR 60% PET 20% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti Fe Ni; Trace: V Cr Mn Co Cu Zn Sb.	Reportable: Al Si Fe Co; Controlled: Ni.
FE2608-02	22-004 Smart Phone Model XT2227, Black shock pad 2+3+4+5+12+13				38.32%	PUR 60% PET 20% Acrylic 20%	Main: Ca; Other: Al Si P S Cl K Fe Ni; Trace: Ti Cr Mn Cu Zn Sr Sb.	Reportable: Al Si Fe; Controlled: Ni.
FE2608-03	22-004 Smart Phone Model XT2227, Black shock pad 6+7+17				9.58%	PUR 60% PET 20% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca Fe; Trace: Ti V Cr Mn Ni.	Reportable: Al Si Fe;
FE2608-04	22-004 Smart Phone Model XT2227, Black shock pad 8				0.60%	PUR 60% PET 20% Acrylic 20%	Main: Al Si; Other: P S Cl K Ca; Trace: Ti V Cr Mn Fe Ni Cu Zn Mo Sb.	Reportable: Al Si P;
FE2608-05	22-004 Smart Phone Model XT2227, Black shock pad 9				10.78%	PUR 60% PET 20% Acrylic 20%	Main: Ca; Other: Al Si P S Cl K Fe Ni; Trace: Ti V Cr Mn Cu Zn Sr.	Reportable: Al Si Fe; Controlled: Ni.
FE2608-06	22-004 Smart Phone Model XT2227, Black shock pad 10				5.39%	PUR 60% PET 20% Acrylic 20%	Main: Si Ca; Other: Al P S Cl K Ni; Trace: Ti Cr Mn Fe Cu Zn Mo.	Reportable: Al Si; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FE2608-07	22-004 Smart Phone Model XT2227, Black shock pad 11				10.78%	PUR 60% PET 20% Acrylic 20%	Main: S; Other: Al Si P Cl K Ca Fe Ni; Trace: Ti V Cr Mn Cu Zn.	Reportable: Al Si Fe;
FE2608-08	22-004 Smart Phone Model XT2227, Black shock pad 14				1.20%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ni Cu; Trace: Ti V Cr Mn Zn Sb.	Reportable: Al Si Cu; Controlled: Ni.
FE2608-09	22-004 Smart Phone Model XT2227, Black shock pad 15				17.37%	PUR 60% PET 20%	Main: Al Si; Other: P S Cl K Ca Fe; Trace: Ti V Cr Mn Ni Cu Zn.	Reportable: Al Si Fe;
FE2608-10	22-004 Smart Phone Model XT2227, Black shock pad 16				1.20%	PUR 60% PBT 20% Acrylic 20%	Main: Si Ca; Other: Al P S Cl K Fe Ni Cu; Trace: Ti V Cr Mn Zn.	Reportable: Al Si Fe Cu; Controlled: Ni.
FE2609-00	22-004 Smart Phone Model XT2227, Metallic shock pads		0.221	0.12%				
FE2609-01	22-004 Smart Phone Model XT2227, Metallic shock pads, Shock pad 1				0.45%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Ca Fe Hf; Trace: Ti Zn Y Nb Mo Sn Sb I.	Reportable: Al Si Fe Cu; Controlled: Ni.
FE2609-02	22-004 Smart Phone Model XT2227, Metallic shock pads, Shock pad 2				85.07%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Ca Hf; Trace: Ti Cr Fe Zn Y Nb Sn Sb Ba La Ce.	Reportable: Al Si Cu; Controlled: Ni.
FE2609-03	22-004 Smart Phone Model XT2227, Metallic shock pads, Shock pad 3				14.48%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Ca Hf; Trace: Ti Cr Mn Zn Y Zr Nb Sn Sb Cs Ba Ce.	Reportable: Al Si Cu; Controlled: Ni.
FE2610-00	22-004 Smart Phone Model XT2227, Black glue strips		0.438	0.24%				
FE2610-01	22-004 Smart Phone Model XT2227, Black glue strip 1				24.89%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Cr Fe; Trace: Ti V Mn Ni Zn.	Reportable: Al Si P Cr Fe;
FE2610-02	22-004 Smart Phone Model XT2227, Black glue strip 2				2.97%	Acrylic	Main: ; Other: Al Si P S Cl K Ca Ti Fe Zn; Trace: V Cr Mn Ni Cu.	Reportable: Al Si P Fe 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)]
FE2610-03	22-004 Smart Phone Model XT2227, Black glue strip 3				1.14%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti Cr Fe; Trace: V Mn Ni Zn.	Reportable: Al Si Cr Fe;
FE2610-04	22-004 Smart Phone Model XT2227, Black glue strip 4				56.85%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti; Trace: V Cr Mn Fe Ni Cu Zn.	Reportable: Al Si P;
FE2610-05	22-004 Smart Phone Model XT2227, Black glue strip 5				14.16%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti Fe; Trace: V Cr Mn Ni Cu Zn Br Sb.	Reportable: Al Si Fe;
FE2611-00	22-004 Smart Phone Model XT2227, Label 1-5, Copper, Metallic, Clear glue strips		1.143	0.62%				
FE2611-01	22-004 Smart Phone Model XT2227, Labels 1				56.26%	PVC 80% Acrylic 20%	Main: Si Ca; Other: Al P S Cl K Ti Fe; Trace: Mn Ni Cu Zn Sr.	Reportable: Al Si Fe;
FE2611-02	22-004 Smart Phone Model XT2227, Label 2				0.09%	PVC 80% Acrylic 20%	Main: Ca; Other: Al Si P S Cl K Ti Fe Zn; Trace: V Ni Cu Zr Te I Cs Ba La.	Reportable: Al Si Fe;
FE2611-03	22-004 Smart Phone Model XT2227, Label 3				0.09%	PET 80% Acrylic 20%	Main: Si Ti; Other: Al P S Cl K Ca; Trace: Cr Mn Ni Cu Zr Nb Mo.	Reportable: Al Si;
FE2611-04	22-004 Smart Phone Model XT2227, Label 1-5, Copper, Metallic, Clear glue strips, Label 4				0.09%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti; Trace: Cr Fe Ni Br Zr Nb Mo Ag Sb I.	Reportable: Al Si;
FE2611-05	22-004 Smart Phone Model XT2227, Copper glue strips				18.64%	Metal 70% Acrylic 30%	Main: Ni Cu; Other: Al Si S Ca Zn Tl; Trace: P Ti Cr Ga Ge As W Bi.	Reportable: Al Cu Zn Tl; 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)]
FE2611-06	22-004 Smart Phone Model XT2227, Metallic glue strip				0.17%	PET 80% Acrylic 20%	Main: Si Ca Ni Cu; Other: Al P S Ti Fe Ga Tl; Trace: V Mn Co Zn Ge Mo Sn Sb.	Reportable: Al Fe Co Cu Tl; Controlled: Ni.
FE2611-07	22-004 Smart Phone Model XT2227, Clear glue strips				0.44%	PET 80% Acrylic 20%	Main: Si; Other: Al P S Cl K Ca Ti Fe; Trace: V Cr Mn Ni Cu Zn Zr Nb Mo.	Reportable: Al Si Fe;
FE2611-08	22-004 Smart Phone Model XT2227, Clear glue strip 2				24.23%	PET 80% Acrylic 20%	Main: ; Other: Al Si S Cl K Ca Zn; Trace: Ti V Cr Mn Fe Ni Cu Sb.	Reportable: Al;
FE2612-00	22-004 Smart Phone Model XT2227, Thermal paste, Humidity indicator, Black glue 1-2		0.426	0.23%				
FE2612-01	22-004 Smart Phone Model XT2227, Thermal paste				16.90%	Silicone	Main: Al Si Zn; Other: P Ca Fe; Trace: Cl K Ti V Cr Mn Ga Hf.	Reportable: Al Si P Fe Zn;
FE2612-02	22-004 Smart Phone Model XT2227, Humidity indicator				0.23%	Paper 80% Acrylic 20%	Main: Ca; Other: Al Si P S Cl K Ti; Trace: Fe Ni Cu Zr Nb Mo Ag In Sn Te I Cs Ba La Ce.	Reportable: Al Si;
FE2612-03	22-004 Smart Phone Model XT2227, Black glue 1				56.10%	Acrylic	Main: Si; Other: Al P S Cl K Ca Ti Fe Zn; Trace: Cr Ni Cu Nb Ba W.	Reportable: Al Si Fe Zn;
FE2612-04	22-004 Smart Phone Model XT2227, Black glue 2				26.76%	Acrylic	Main: Ca; Other: Al Si P S Cl K Zn; Trace: Ti V Cr Mn Fe Ni Cu Zr La Ce.	Reportable: Al Si Zn;
FE2613-00	22-004 Smart Phone Model XT2227, Screws		0.767	0.42%				
FE2613-01	22-004 Smart Phone Model XT2227, Screws, Black screws 1+2				97.13%		Main: Al Si P Ca Fe Zn; Other: S Ti Cr Mn Co Cu W; Trace: Ga Ge Bi.	Reportable: Al Cr Fe Co Cu Zn W;

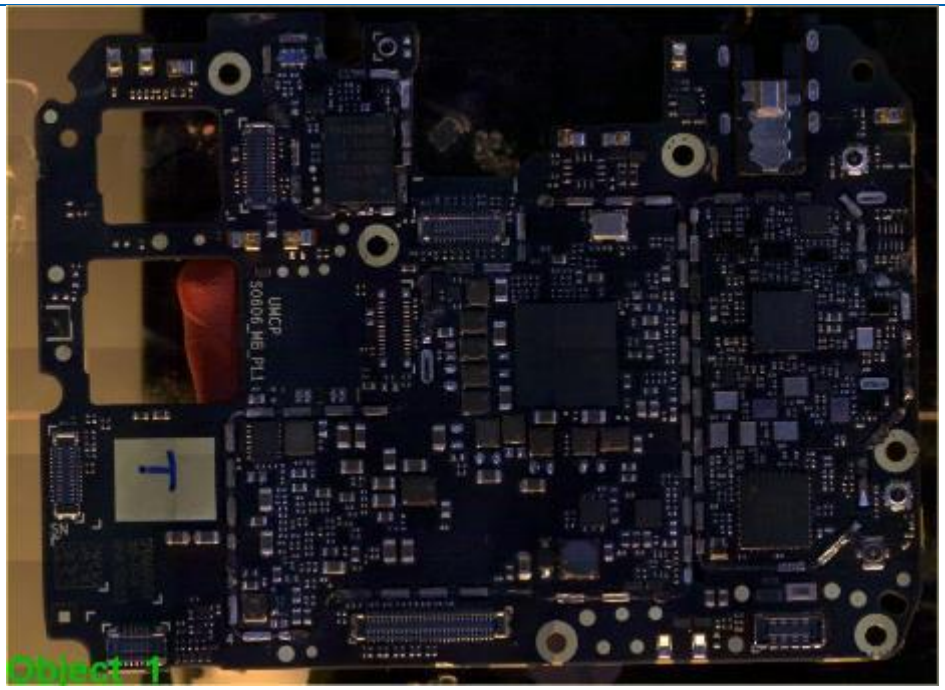
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. E Appendix C relevant compounds [1)]
FE2613-02	22-004 Smart Phone Model XT2227, Screws, Silver screw				2.87%		Main: Al S Ca Fe Ni Cu; Other: Si P Ti Cr Mn Co Zn Ge; Trace: V Ga Br Zr Nb Mo Sn.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.

[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.

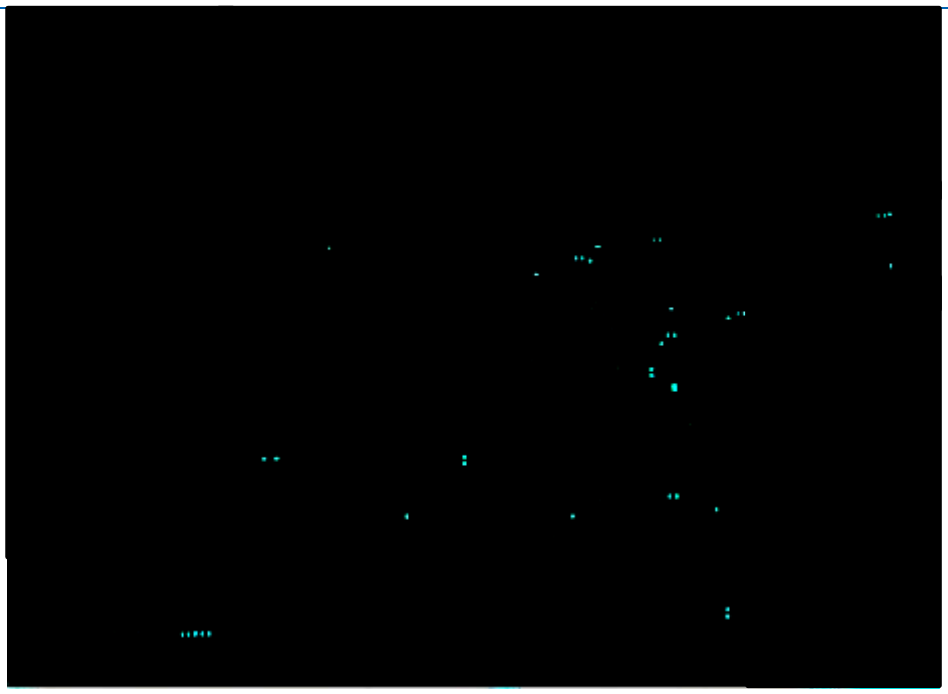
4 Results EDXRF Scan

Results x,y Scan Sample FE2596-11 Top

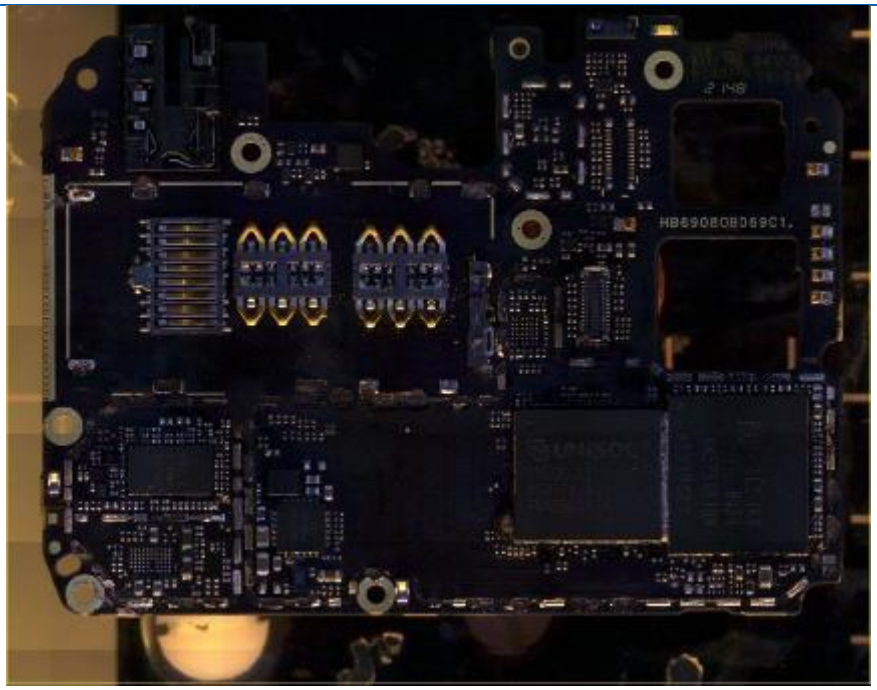


Bromine
Not detected

Lead



Results x,y Scan Sample FE2596-11 Bottom



Bromine

Not detected

Lead

Results x,y Scan Sample FE2597-03

	
Bromine	
Not detected	Not detected
Lead	
Not detected	Not detected

Results x,y Scan Sample FE2598-04 Bottom

Bromine

Not detected

Lead

5 Summary REACH 1907/2006/EC screening results

According to §33 Reach information needs to be provided within the supply chain if the concentration of a SVHC substance calculated for the article is higher than 0.1 %. The table below summarizes the organic substances detected with concentrations > 0.1% calculated for the articles according to SVHC substance list dated 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.

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)
Smart Phone Model: XT2227	FH1001	N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.034	<0.001	**N**
	FH1002	N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.011	<0.001	**N**
		-	-	Diisocyanates (Entry 74)	0.020	<0.001	**N**
	FH1003	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	4-methyl-m-phenylenediamine (toluene-2,4-diamine) (Entry 28)	0.016	<0.001	**N**
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.008	<0.001	**N**
		-	-	Diisocyanates (Entry 74)	0.053	<0.001	**N**
	FH1004	N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.002	<0.001	**N**
		-	-	Diisocyanates (Entry 74)	0.001	<0.001	**N**
	FH1005	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	4-methyl-m-phenylenediamine (toluene-2,4-diamine) (Entry 28)	0.018	<0.001	**N**
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.002	<0.001	**N**
		-	-	Diisocyanates (Entry 74)	0.128	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)
Smart Phone Model: XT2227	FH1006	4-tert-butylphenol[4)]	-	-	0.001	<0.001	**N**
		4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	4-methyl-m-phenylenediamine (toluene-2,4-diamine) (Entry 28)	0.002	<0.001	**N**
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.004	<0.001	**N**
		-	-	Diisocyanates (Entry 74)	0.018	<0.001	**N**
	FH1007	4,4'-Diaminodiphenylmethane (MDA)	4,4'-Diaminodiphenylmethane (MDA)	-	0.022	<0.001	**N**
		-	-	Diisocyanates (Entry 74)	0.070	<0.001	**N**
		-	-	Methylenediphenyl diisocyanate (MDI) Entry 56	0.062	<0.001	**N**
	FH1008	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	4-methyl-m-phenylenediamine (toluene-2,4-diamine) (Entry 28)	0.007	<0.001	**N**
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.003	<0.001	**N**
		-	-	Diisocyanates (Entry 74)	0.097	<0.001	**N**
		-	-	Methylenediphenyl diisocyanate (MDI) Entry 56	0.019	<0.001	**N**
	FH1009	-	-	-			
	FH1010	-	-	-			
	FH1011	N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.004	<0.001	**N**
	FH1012	1,3-propanesultone	-	1,3-propanesultone (Entry 28)	0.970	0.021	**N[3)]**

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)
Smart Phone Model: XT2227	FH1013	-	-	-			
	FH1014	4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.011	<0.001	**N**
	FH1015	4-tert-butylphenol[4)]	-	-	0.089	0.005	**N**
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.036	0.002	**N**
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.003	<0.001	**N**
	FH1016	N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.003	<0.001	**N**
		-	-	Diisocyanates (Entry 74)	0.002	<0.001	**N**
	FH1017	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.001	<0.001	**N**
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.003	<0.001	**N**
	FH1018	N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.002	<0.001	**N**
	FH1019	4-tert-butylphenol[4)]	-	-	0.029	0.001	**N**
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.022	0.001	**N**
	FH1020	4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.061	0.003	**N**
		-	-	Diisocyanates (Entry 74)	0.002	<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)
Smart Phone Model: XT2227	FH1021	4-tert-butylphenol[4]	-	-	0.037	0.001	**N**
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.053	0.001	**N**
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.001	<0.001	**N**
	FH1022	4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.025	<0.001	**N**
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.013	<0.001	**N**
	FH1023	4-tert-butylphenol[4]	-	-	0.018	<0.001	**N**
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.018	<0.001	**N**
		2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.006	<0.001	**N**
	FH1024	4-tert-butylphenol[4]	-	-	0.029	<0.001	**N**
		4,4'-isopropylidenediphenol (BPA)	-	4,4'-isopropylidenediphenol (BPA) (Entry66)	0.033	<0.001	**N**
		N,N-Dimethylacetamide	-	N,N-Dimethylacetamide (Entry 30)-	0.002	<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 homogeneus material may not be achieved.
* For the conditions of restriction please refer to "List of REACH Annex XVII substances" of this test report of for more detailed information refer directly to REACH Regulation (1907/2006/EC) Annex XVII in EUR -Lex Website
[3] Reporting is required on the homogeneous material level.
[4] Depending on the manufacturing process of 4-tert-butylphenol a certain ratio of 3-tert-butylphenol may also be present

5.2 List of SVHC and Annex XIV substances

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

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

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

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

[1)] Not tested

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

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

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

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

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

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

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

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

5.3 List of REACH Annex XVII substances

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

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

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

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

6 Test Results PAH

PAH[1)]	FH1001	FH1002	FH1003	FH1004
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)]	FH1005	FH1006	FH1007	FH1008
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)]	FH1009	FH1010	FH1011
Benz[a]anthracene (µg/g)	ND	ND	ND
Chrysene (µg/g)	ND	ND	ND
Benzo[b]fluoranthene (µg/g)	ND	ND	ND
Benzo[k]fluoranthene (µg/g)	ND	ND	ND
Benzo[j]fluoranthene (µg/g)	ND	ND	ND
Benzo[e]pyrene (µg/g)	ND	ND	ND
Benzo[a]pyrene (µg/g)	ND	ND	ND
Dibenz[a,h]anthracene (µg/g)	ND	ND	ND
1907/2006/EC REACH Annex XVII Entry 50	**Pass**	**Pass**	**Pass**

ND: Not detected
[1)] REACH Screening results.

7 Composition of fraction samples

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.071	FH1001	FE2584-02	22-004 Smart Phone Model XT2227, Battery, Blue glue strip	0.02%	0.041
				FE2584-04	22-004 Smart Phone Model XT2227, Battery, Clear glue strip	0.02%	0.030

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.062	FH1002	FE2584-13	22-004 Smart Phone Model XT2227, Battery, Black glue strip 1	0.02%	0.040
				FE2584-14	22-004 Smart Phone Model XT2227, Battery, Black glue strip 2	0.01%	0.022

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.131	FH1003	FE2604-03	22-004 Smart Phone Model XT2227, Antenna flex 1, Clear glue	0.01%	0.021
				FE2598-03	22-004 Smart Phone Model XT2227, Display flex, Metalic glue strip 2	0.03%	0.048
				FE2610-05	22-004 Smart Phone Model XT2227, Black glue strip 5	0.03%	0.062

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.643	FH1004	FE2584-03	22-004 Smart Phone Model XT2227, Battery, Green glue strip	0.15%	0.277
				FE2584-11	22-004 Smart Phone Model XT2227, Battery, Yellow glue foil	0.14%	0.257
				FE2610-01	22-004 Smart Phone Model XT2227, Black glue strip 1	0.06%	0.109

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.920	FH1005	FE2611-01	22-004 Smart Phone Model XT2227, Labels 1	0.35%	0.643
				FE2611-08	22-004 Smart Phone Model XT2227, Clear glue strip 2	0.15%	0.277

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.602	FH1006	FE2610-04	22-004 Smart Phone Model XT2227, Black glue strip 4	0.13%	0.249
				FE2612-03	22-004 Smart Phone Model XT2227, Black glue 1	0.13%	0.239
				FE2612-04	22-004 Smart Phone Model XT2227, Black glue 2	0.06%	0.114

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.061	FH1007	FE2608-09	22-004 Smart Phone Model XT2227, Black shock pad 15	0.02%	0.029
				FE2609-03	22-004 Smart Phone Model XT2227, Metallic shock pads, Shock pad 3	0.02%	0.032

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.252	FH1008	FE2608-02	22-004 Smart Phone Model XT2227, Black shock pad 2+3+4+5+12+13	0.03%	0.064
				FE2609-02	22-004 Smart Phone Model XT2227, Metallic shock pads, Shock pad 2	0.10%	0.188

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.068	FH1009	FE2603-06	22-004 Smart Phone Model XT2227, Black connection cable, Outer cable jacket	0.02%	0.032
				FE2603-02	22-004 Smart Phone Model XT2227, Black connection cable, Inner cable jacket	0.02%	0.036

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.242	FH1010	FE2596-02	22-004 Smart Phone Model XT2227, Main PWB, Rubber shielding	0.07%	0.120
				FE2597-02	22-004 Smart Phone Model XT2227, Sub PWB, Black rubber shielding	0.07%	0.122

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.460	FH1011	FE2612-01	22-004 Smart Phone Model XT2227, Thermal paste	0.04%	0.072
				FE2596-01	22-004 Smart Phone Model XT2227, Main PWB, Thermal paste	0.21%	0.388

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	4.042	FH1012	FE2584-09	22-004 Smart Phone Model XT2227, Battery, White foil	2.19%	4.042

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	45.409	FH1013	FE2584-10	22-004 Smart Phone Model XT2227, Battery, Carbon coating	24.61%	45.409

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.702	FH1014	FE2584-12	22-004 Smart Phone Model XT2227, Battery, Black plastic cover	0.11%	0.197
				FE2584-16	22-004 Smart Phone Model XT2227, Battery, PWB	0.27%	0.505

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	10.006	FH1015	FE2585-01	22-004 Smart Phone Model XT2227, Display assembly, Gray plastic frame	0.11%	0.202
				FE2585-03	22-004 Smart Phone Model XT2227, Display assembly, Reflection foil	0.64%	1.184
				FE2585-04	22-004 Smart Phone Model XT2227, Display assembly, Polarization foil 1	0.47%	0.864
				FE2585-05	22-004 Smart Phone Model XT2227, Display assembly, Diffuser plate	2.51%	4.639
				FE2585-06	22-004 Smart Phone Model XT2227, Display assembly, Diffuser foil	0.38%	0.695
				FE2585-07	22-004 Smart Phone Model XT2227, Display assembly, Polarization foil 2	0.72%	1.330
				FE2585-08	22-004 Smart Phone Model XT2227, Display assembly, Display front foil	0.59%	1.092

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*

22-004 Smart Phone Model XT2227	184.551	0.331	FH1016	FE2601-01	22-004 Smart Phone Model XT2227, Flex foil	0.01%	0.013
				FE2600-01	22-004 Smart Phone Model XT2227, Connection flex	0.02%	0.030
				FE2604-05	22-004 Smart Phone Model XT2227, Antenna flex 3	0.02%	0.031
				FE2604-04	22-004 Smart Phone Model XT2227, Antenna flex 2	0.04%	0.076
				FE2604-01	22-004 Smart Phone Model XT2227, Antenna flex 1	0.05%	0.085
				FE2594-07	22-004 Smart Phone Model XT2227, Front camera, Flex	0.05%	0.096

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprügliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	1.851	FH1017	FE2592-12	22-004 Smart Phone Model XT2227, Back camera 2, Flex	0.07%	0.121

				FE2593-06	22-004 Smart Phone Model XT2227, Back camera 3, Flex	0.08%	0.147
				FE2591-07	22-004 Smart Phone Model XT2227, Back camera 1, Flex	0.08%	0.149
				FE2595-06	22-004 Smart Phone Model XT2227, Buttons, Button flex 2	0.08%	0.153
				FE2599-00	22-004 Smart Phone Model XT2227, Lightning PWB	0.09%	0.168
				FE2590-05	22-004 Smart Phone Model XT2227, Vibra call, PWB	0.14%	0.260
				FE2597-03	22-004 Smart Phone Model XT2227, Sub PWB	0.46%	0.853

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	9.261	FH1018	FE2598-04	22-004 Smart Phone Model XT2227, Display flex, Flex	0.64%	1.183
				FE2596-11	22-004 Smart Phone Model XT2227, Main PWB	4.38%	8.078

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprüngliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	9.000	FH1019	FE2587-01	22-004 Smart Phone Model XT2227, Housing parts, Black plastic back cover	4.88%	9.000

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprügliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	8.905	FH1020	FE2587-02	22-004 Smart Phone Model XT2227, Housing parts, Blue plastic housing frame	4.83%	8.905

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprügliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	4.143	FH1021	FE2587-03	22-004 Smart Phone Model XT2227, Housing parts, Black plastic housing frame	2.24%	4.143

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprügliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.107	FH1022	FE2591-06	22-004 Smart Phone Model XT2227, Back camera 1, Plastic lenses	0.01%	0.011
				FE2592-08	22-004 Smart Phone Model XT2227, Back camera 2, Plastic lenses	0.02%	0.034
				FE2594-06	22-004 Smart Phone Model XT2227, Front camera, Plastic lenses	0.01%	0.015
				FE2606-01	22-004 Smart Phone Model XT2227, Light guide 1	0.02%	0.037
				FE2606-02	22-004 Smart Phone Model XT2227, Light guide 2	0.01%	0.010

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprügliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	0.349	FH1023	FE2591-01	22-004 Smart Phone Model XT2227, Back camera 1, Black plastic frame	0.03%	0.063
				FE2591-02	22-004 Smart Phone Model XT2227, Back camera 1, Black plastic housing	0.01%	0.015
				FE2592-04	22-004 Smart Phone Model XT2227, Back camera 2, Black plastic housing	0.02%	0.034
				FE2592-05	22-004 Smart Phone Model XT2227, Back camera 2, Black plastic ring	0.02%	0.029
				FE2592-07	22-004 Smart Phone Model XT2227, Back camera 2, Black plastic frame 1	0.01%	0.027
				FE2592-11	22-004 Smart Phone Model XT2227, Back camera 2, Black plastic frame 2	0.02%	0.043

				FE2593-01	22-004 Smart Phone Model XT2227, Back camera 3, Black plastic frame	0.02%	0.040
				FE2593-02	22-004 Smart Phone Model XT2227, Back camera 3, Black plastic housing	0.02%	0.028
				FE2594-02	22-004 Smart Phone Model XT2227, Front camera, Black plastic frame	0.03%	0.050
				FE2594-03	22-004 Smart Phone Model XT2227, Front camera, Black plastic housing	0.01%	0.020

Artikel / *Article*	Gesamt-gewicht Artikel [g] / *Total Weight article [g]*	Fraktions-gewicht [g]/ *Fraction weight [g]*	Fraktions-probennr./ *Fraction Sample No.*	Ursprügliche Probennr./ *Initial Sample No.*	Beschreibung / *Description*	Relatives Gewicht im Artikel/ *Relative Weight in Article*	Proben-gewicht [g]/ *Sample weight [g]*
22-004 Smart Phone Model XT2227	184.551	1.140	FH1024	FE2588-10	22-004 Smart Phone Model XT2227, Top speaker, Black plastic frame	0.02%	0.045
				FE2589-10	22-004 Smart Phone Model XT2227, Bottom speaker, Black plastic frame	0.40%	0.731
				FE2595-01	22-004 Smart Phone Model XT2227, Buttons, Volume button	0.03%	0.051
				FE2595-03	22-004 Smart Phone Model XT2227, Buttons, Black plastic strip	0.02%	0.033
				FE2602-01	22-004 Smart Phone Model XT2227, Sim card holder, Black plastic frame	0.15%	0.280

--- END OF REPORT ---