VDE Prüfbericht / *VDE Test Report*

Prüfbericht Nr. *Report No.*	321590-TL7-1
VDE-Aktenzeichen *VDE File No.*	5022428-9021-0113/321590
Ausstellungsdatum *Date of issue*	2024-08-29
Labor *Laboratory*	**VDE** Prüf- und Zertifizierungsinstitut GmbH
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 V6
	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)*	**XT2437 Series**
Bemessungsdaten *Ratings*	

Zustand des Prüfmusters *Test sample condition* :	☒	Unbeschädigtes Prüfmuster *Non-damaged sample*
	Bemerkung / *Remark:*	
Wareneingang Prüfmuster *Sample entry date* :	2024-07-10	
Datum der Durchführung der Prüfungen *Date (s) of performance of tests* :	2024-07-10 - 2024-08-29	

Geprüft und ausgestellt von: *Tested by* .....:	Annabell Strey	
Name / *Name,* Unterschrift / *Signature*.....:	(Autorisierung des Prüfberichtes *Authorization of test report*)	A. Strey
Funktion / *Function* .....:	Prüfingenieur / Testing engineer	
Überprüft von / *Approved by*.....:		
Name / *Name,* Unterschrift / *Signature*.....:	Annkatrin Kuhl	
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 V6	Substances detected	
	2011/65/EU & 2015/863/EU(RoHS)	Pass	P
	1907/2006/EC § 33 (REACH, SVHC)	Substances detected	No reporting required*
	1907/2006/EC Annex XIV (REACH, Authorisation List)	Substances detected	
	1907/2006/EC Annex XVII (REACH, List of restrictions)	Substances detected	
Ergänzende Information / *Supplementary information*:			
* According to the kind and extend of the tests performed no reporting is required on the functional unit level. However, reporting is required on the homogeneous material level due to lead.			

Allgemeine Bemerkungen / *General Remarks:*
Konformitätserklärung / *Conformity statement*: Die VDE-Entscheidungsregel für die Konformitätserklärung entspricht dem IEC Guide 115:2023 / *The VDE decision rule for the statement of conformity is in accordance with IEC Guide 115:2023*

Prüf- und Messmittel / *Testing and measuring equipment*:		
Parameter/s	Instrument/s	Method/e
Chemical elements Screening	Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectro XEPOS XC (XC) Inv. No. 1150667 Spectro XEPOS HE (XL) Inv. No. 1150529 Spectro XEPOS HE (XR) Inv. No. 1150796	IEC 62321-3-1:2013
Polymers	Infrared Spectrometry (IR) Bruker ALPHA (IR1) Inv. No. 1150578 Bruker INVENIO S (IR2) Inv. No. 1150787	Inhouse Method SOP TL72 0214 Version 1
Polymers	Thermogravimetry (TG) NETZSCH TG209 F3 Tarsus Inv. No. 1150765	Inhouse Method
PBB, PBDE	High Performance Liquid Chromatography (HPLC) Thermo Scientific (Dionex) UltiMate 3000 Inv. No. 5200456	IEC 62321-6:2015
Cr(VI)	Ultraviolet Spectrometry (UV-Vis) Agilent Technologies Cary 8454 UV-Vis Inv. No. 1150611	IEC 62321-7-1:2015
Pb, Cd, Cr Quantification in Polymers/ Alloys/PWBs	Inductively coupled plasma atomic emission spectroscopy (ICP-AES) Spectro Blue Inv. No. 5200429	IEC 62321-5:2013
Pb, Br Localization	Energy-Dispersive X-Ray Fluorescence (EDXRF) Spectro Midex (M1) Inv. No. 1150728 Spectro Midex (M3) Inv. No. 1150774 Spectro Midex (M4) Inv. No. 1150776 Bruker M4 Tornado Inv. No. 1150719	IEC 62321-3-1:2013
REACH SVHC / Annex XIV / Annex XVII Substances Headspace screening	Gas chromatography with mass spectrometric detection (GC-MSD) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (HS-GC2) Inv. No. 5211104	Inhouse method according to DIN TS 51012:2020-4
REACH SVHC / Annex XIV / Annex XVII Substances screening	Gas chromatography with mass spectrometric detection (GC-MSD) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-7) Inv. No. 5211163 ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-5) Inv. No. 5211095 ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4) Inv. No. 5211053	Inhouse method according to DIN TS 51012:2020-4
Phthalates	Gas chromatography with mass spectrometric detection (GC-MSD) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-7) Inv. No. 5211163 ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-5) Inv. No. 5211095 ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4) Inv. No. 5211053	Inhouse Method
PAH	Gas chromatography with mass spectrometric detection (GC-MSD) ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-7) Inv. No. 5211163 ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-5) Inv. No. 5211095 ThermoFisher SCIENTIFIC TRACE1300 and ISQ7000 (GC-4) Inv. No. 5211053	AfPS GS 2019:01 PAK IEC 62321-10/CD

Contents Directory

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 6
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]	n.d. see chapter 6
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.d. see chapter 3
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 6
Diisobutyl Phthalate (DIBP), Dibutyl Phthalate (DBP), Benzyl Butyl Phthalate (BBP), Bis(2-ethylhexyl) Phthalate (DEHP)	n.d. see chapter 3, 6
Diisononyl Phthalate (DINP)	n.d. see chapter 3, 6
Formaldehyde	n.a. (no Composite Wood Products, textiles, washing or cleaning agents, cosmetic care products)
Lead and lead compounds	**detected** see chapter 3[1)]
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 6
Nonylphenol and its isomer mixtures [7]	n.d. see chapter 6

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.d.
Perfluorooctanoic Acids	n.t.
Persistent Organic Pollutants (POP)	n.t. For indicator elements Br and Cl see chapter 3 [1)]
Poly Vinyl Chloride (PVC) vinyl chloride monomer in External Cables	n.d. see chapter 3 and 6
Certain short and medium chained chlorinated paraffins	n.d. (SCCP, MCCP - see chapter 3)
REACH Authorised and Restricted Substances not otherwise listed	**detected**, see Chapter 6
REACH Authorised and Restricted Substances not otherwise listed – Entry 20 Organostannic compounds [6]	Sn < 0.1%[1)]
REACH Authorised and Restricted Substances not otherwise listed – Entry 21 Di-µ-oxo-di-n-butylstanniohydroxyborane [6]/ Dibutyltin hydrogen borate C8H19BO3Sn (DBB)	Sn < 0.04 %[1)] (DBB < 0.1%)
REACH Authorised and Restricted Substances not otherwise listed – Entry 50 Polycyclic-aromatic hydrocarbons (PAH)	n.d. See Chapter 6
REACH Candidate List Substances not otherwise listed	**detected**, see chapter 6
Tris(2-chloroethyl)phosphate (“TCEP”)	n.d. see chapter 6
Tris(1,3-dichloro-2-propyl) phosphate (“TDCPP”)	For indicator element Cl see chapter 3 [1)]

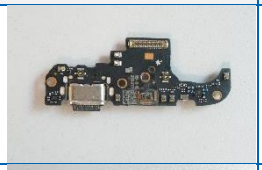
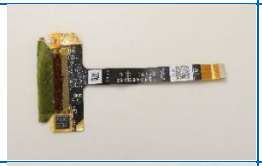
[1] Substance may not be intentionally added.
[2] The concentration basis is based on the weight of the external cable jacket not including any conductors, sheathed conductors or ground jackets.
[3] Banned in packaging and as a fumigation technique for wood pallets and other wood packaging (includes 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. V6 were identified that exceed the thresholds according to Appendix C Section 5 for controlled and banned substances.

2.2 Items that only use Homogeneous Materials

None

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

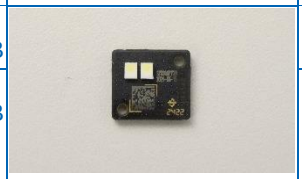
Sample Item	Description	Photo	Sub item	Material of Concern (Concentration) [1]	Does that rating make use of an Exemption	Sub Item level acceptance rating
GI2086-04	24-188 Smart Phone XT2437-1, SUB PWB		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
GI2095-01	24-188 Smart Phone XT2437-1, Battery, Flex		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
GI2103-00	24-188 Smart Phone XT2437-1, Display connection flex		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**
GI2093-12	24-188 Smart Phone XT2437-1, Main PWB		PWB (100%)[2]	**Pb**	Pb in glass or ceramic of electrical and electronic components Exemption 7(c)-I	**Pass, exemption applicable**

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

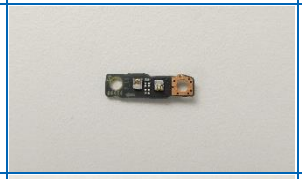
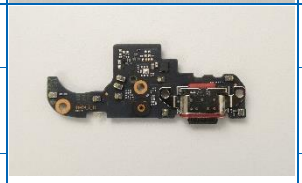
2.4 Phthalates in fractions

None

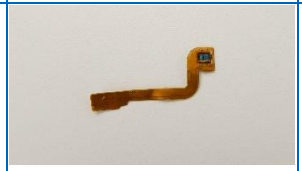
3 Material Assay Screening Results

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. V6 Appendix C relevant compounds [1)]
GI2079-00	24-188 Smart Phone XT2437-1, SIM card holder		0.491	0.25%				
GI2079-01	24-188 Smart Phone XT2437-1, SIM card holder, Metal frame				63.95%		Main: Si P Cr Mn Fe Ni; Other: Al S Ti V Co Cu W Bi; Trace: Se Mo.	Reportable: Cr** Fe Co Cu W Bi; Controlled: Ni.
GI2079-02	24-188 Smart Phone XT2437-1, SIM card holder, Black plastic part				34.01%	PC	Other: Si P Cl Ca Fe; Trace: S K Ti Cr Ni Zn.	Reportable: Fe;
GI2079-03	24-188 Smart Phone XT2437-1, SIM card holder, Rubber seal				1.83%	Silicone	Other: Si P S Cl Ca; Trace: Ti Cr Fe Ni Zn Sn Sb.	Reportable: Si;
GI2079-04	24-188 Smart Phone XT2437-1, SIM card holder, Label				0.20%	PET 80% Acrylic 20%	Other: Si P S Cl Ca Ti; Trace: K Cr Fe Ni Zn Sn Sb.	
GI2080-00	24-188 Smart Phone XT2437-1, Flashlight PWB		0.266	0.13%				
GI2080-01	24-188 Smart Phone XT2437-1, Flashlight PWB				96.99%		Main: Si P S Ni Cu; Other: Al Cl K Ca Ti Mn Sr Sn Ba Au; Trace: Cr Ga Zr Pd Ag I Ce Th. See x, y – Scan (Chapter 5)	Reportable: Al Cu Ba Au Si P; Controlled: Ni.
GI2080-02	24-188 Smart Phone XT2437-1, Flashlight PWB, Black shock pad				3.01%	PUR 60% PET 20% Acrylic 20%	Other: Si S Cl Ca; Trace: P K Cr Fe Ni Zn Sn Sb.	
GI2081-00	24-188 Smart Phone XT2437-1, Flashlight		0.069	0.03%		PMMA	Other: Si P S Ca; Trace: Cl Fe.	

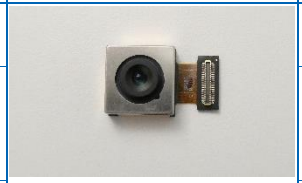
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2082-00	24-188 Smart Phone XT2437-1, Glass cover plate 1-2		0.623	0.31%				
GI2082-01	24-188 Smart Phone XT2437-1, Glass cover plate 1				65.65%		Other: Al Si P S Cl K Ca Ti Zr Sn; Trace: Fe Cu Zn Sb Ba.	Reportable: Al Sn Si P;
GI2082-02	24-188 Smart Phone XT2437-1, Glass cover plate 2				34.35%		Main: Si P K; Other: Al S Cl Ca Zr Sn; Trace: Ti Fe Sb Ba.	Reportable: Al Sn Si P;
GI2083-00	24-188 Smart Phone XT2437-1, Backside cover		8.007	4.04%		PC	Other: Si P S Cl Ca Ti; Trace: K Fe Cu In Sn.	Reportable: Si;
GI2084-00	24-188 Smart Phone XT2437-1, Bottom speaker		2.664	1.34%				
GI2084-01	24-188 Smart Phone XT2437-1, Bottom speaker, Metal housing 1				22.30%		Main: Al Cr Mn Fe Ni; Other: Si P S Ti V Co Cu W Bi; Trace: Se Mo.	Reportable: Al Cr** Fe Co Cu W Bi; Controlled: Ni.
GI2084-02	24-188 Smart Phone XT2437-1, Bottom speaker, Black plastic part				27.67%	PC	Other: Si P Ca Ti Fe; Trace: S Cl K Zn Sn.	Reportable: Fe;
GI2084-03	24-188 Smart Phone XT2437-1, Bottom speaker, Metal fram				5.22%		Main: Si P Fe Ni; Other: Al S Mn Co Cu Sn; Trace: V Cr Te.	Reportable: Fe Co Cu Sn; Controlled: Ni.
GI2084-04	24-188 Smart Phone XT2437-1, Bottom speaker, Metal plate 1				11.37%		Main: P Fe Ni; Other: Al Si S Cr Mn Co; Trace: V Cu Sn.	Reportable: Al Cr Fe Co; Controlled: Ni.
GI2084-05	24-188 Smart Phone XT2437-1, Bottom speaker, Memrabe				0.79%	PBT 50% Metal 40% PUR 10%	Main: Al; Other: Si P S Cl Ca Mn Fe Cu; Trace: K Ti Cr Ni Zn Sn.	Reportable: Al Fe Cu;
GI2084-06	24-188 Smart Phone XT2437-1, Bottom speaker, Metal plate 2				4.47%		Main: Si P S Fe Zn; Other: Al Cr Mn Co Cu; Trace: V Sn.	Reportable: Cr** Fe Co Cu Zn;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds 1)
GI2084-07	24-188 Smart Phone XT2437-1, Bottom speaker, Magnet 1				11.75%		Main: Fe Zn; Other: Al Si P S Ca Ti Cr Co Cu Ge Nb W; Trace: V Mn Ga As Br Sn Te Tl.	Reportable: Al Cr** Fe Co Cu Zn W;
GI2084-08	24-188 Smart Phone XT2437-1, Bottom speaker, Magnets 2				1.99%		Main: Si P S Fe Zn; Other: Al V Cr Mn Co Cu Mo Sn;	Reportable: Cr** Fe Co Cu Zn Sn;
GI2084-09	24-188 Smart Phone XT2437-1, Bottom speaker, Magnets 3				8.22%		Main: Si P S Fe Zn; Other: Al V Cr Mn Co Ni Cu Sn;	Reportable: Cr** Fe Co Cu Zn Sn;
GI2084-10	24-188 Smart Phone XT2437-1, Bottom speaker, Clear glue				1.09%	PUR	Other: Si P S Cl Ca Zn; Trace: K Cr Fe Ni Cu Sn.	
GI2084-11	24-188 Smart Phone XT2437-1, Bottom speaker, Contact				0.45%		Main: Si P S Cr Mn Fe Ni Cu Sn Au; Other: Al V;	Reportable: Cr Fe Cu Sn Au; Controlled: Ni.
GI2084-12	24-188 Smart Phone XT2437-1, Bottom speaker, Flex				4.69%		Main: Fe Cu Sn; Other: Al Si P S Cl K Ca Cr Mn Co Ni Zn Zr Ag Au; Trace: Ti Ga. See x, y – Scan (Chapter 5)	Reportable: Al Cr Fe Co Cu Ag Sn Au Si P; Controlled: Ni.
GI2085-00	24-188 Smart Phone XT2437-1, Small PWB		0.055	0.03%			Main: Si S Ca Ni Cu Sn; Other: Al P Cl K Ti Fe Sr Ag I Ba Au; Trace: Cr Mn Zn Zr. See x, y – Scan (Chapter 5)	Reportable: Al Fe Cu Ag Sn Ba Au Si P; Controlled: Ni.
GI2086-00	24-188 Smart Phone XT2437-1, SUB PWB		1.315	0.66%				
GI2086-01	24-188 Smart Phone XT2437-1, SUB PWB, Humidity indicator				0.08%	Paper 80% Acrylic 20%	Other: Si P S Cl Ca Ti; Trace: K Cr Fe Ni Zn Sn Sb.	
GI2086-02	24-188 Smart Phone XT2437-1, SUB PWB, Metal shielding				0.61%		Main: Si P S Ni Cu Zn; Other: Al Fe Sn Sb Au;	Reportable: Fe Cu Zn Sn Sb Au; Controlled: Ni.
GI2086-03	24-188 Smart Phone XT2437-1, SUB PWB, Red rubber seal				0.46%	Acrylic	Other: Si P S Cl Ca Ni; Trace: Cr Fe Cu Zn Sn Sb.	

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. V6 Appendix C relevant compounds [1)]
GI2086-04	24-188 Smart Phone XT2437-1, SUB PWB				98.86%		Main: Si Cr Mn Fe Ni Cu; Other: Al P S Cl K Ca V Co Sr Mo Ag Sn Ba; Trace: Ti Ga Ge Rb Zr Nb Pd Sb I. See x, y – Scan (Chapter 5)	Reportable: Al Cr Fe Co Cu Ag Sn Ba Si P; **Controlled**: Ni **Pb**.
GI2087-00	24-188 Smart Phone XT2437-1, Vibra call		0.888	0.45%				
GI2087-01	24-188 Smart Phone XT2437-1, Vibra call, Metal housing 1				20.72%		Main: P Fe Ni; Other: Al Si S Mn Co Cu Sn; Trace: V Cr.	Reportable: Al Fe Co Cu; Controlled: Ni.
GI2087-02	24-188 Smart Phone XT2437-1, Vibra call, Metal housing 2				25.45%		Main: P Fe Ni; Other: Al Si S Mn Co Cu Sn; Trace: V Cr.	Reportable: Al Fe Co Cu Sn; Controlled: Ni.
GI2087-03	24-188 Smart Phone XT2437-1, Vibra call, Magnet ring				25.23%		Main: Si Fe Ni Cu; Other: Al P S V Cr Mn Co; Trace: Sn.	Reportable: Cr** Fe Co Cu; Controlled: Ni.
GI2087-04	24-188 Smart Phone XT2437-1, Vibra call, Metal part				12.16%		Main: Si P S Co Ni W; Other: Al Fe Cu Zn;	Reportable: Fe Co Cu W; Controlled: Ni.
GI2087-05	24-188 Smart Phone XT2437-1, Vibra call, Copper wire				8.22%		Main: Si P S Cu; Other: Al Fe Ni Zn; Trace: Cr Sn.	Reportable: Fe Cu Zn;
GI2087-06	24-188 Smart Phone XT2437-1, Vibra call, Copper ring				1.58%		Main: Si P S Cu Sn; Other: Al Fe Ni;	Reportable: Fe Cu Sn;
GI2087-07	24-188 Smart Phone XT2437-1, Vibra call, White plastic part				3.04%	PBT	Other: Si P S Cl Ca Fe; Trace: K Ti Cr Ni Cu Zn Sn Sb.	Reportable: Fe;
GI2087-08	24-188 Smart Phone XT2437-1, Vibra call, Flex 1				0.68%		Main: Cu; Other: Si P S Cl Ca Sn; Trace: K Cr Fe Co Ni Zn Sb Yb.	Reportable: Co Cu Sn;
GI2087-09	24-188 Smart Phone XT2437-1, Vibra call, Flex 2				2.25%		Main: Cu; Other: Si P S Cl Ca Ti Co Ni Zn Ba Au; Trace: K V Fe Br Sr Sn Sb Yb.	Reportable: Co Cu Zn Ba Au Si; Controlled: Ni.

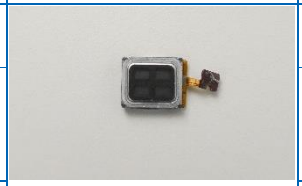
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2087-10	24-188 Smart Phone XT2437-1, Vibra call, Metal rod				0.56%		Main: Si P S Cr Fe; Other: Al V Mn Co Ni Sn;	Reportable: Cr** Fe Co Sn; Controlled: Ni.
GI2087-11	24-188 Smart Phone XT2437-1, Vibra call, Clear glue strip				0.11%	PET 80% Acrylic 20%	Other: Si S Cl Ni; Trace: P K Ca Cr Fe Cu Zn Sn Sb.	
GI2088-00	24-188 Smart Phone XT2437-1, Light sensor		0.081	0.04%			Main: P Cu; Other: Al Si S Cl K Ca Ti Fe Ni Zr Ag Sn I Ba; Trace: Cr Mn Ga Ge Sr Ru Cs Au. See x, y – Scan (Chapter 5)	Reportable: Al Fe Cu Ag Sn Ba Si P; Controlled: Ni.
GI2089-00	24-188 Smart Phone XT2437-1, NFC flex		0.112	0.06%				
GI2089-01	24-188 Smart Phone XT2437-1, NFC flex, Black glue strip				16.96%	PET 80% Acrylic 20%	Other: Si P S Cl Ca Fe Co Ni Cu Zn; Trace: K Cr Sn Sb.	Reportable: Fe Co Cu Zn; Controlled: Ni.
GI2089-02	24-188 Smart Phone XT2437-1, NFC flex, Clear glue strip				5.36%	PET 80% Acrylic 20%	Other: Si P S Cl Ca Fe Co Ni Cu Zn Sn; Trace: K Cr Sb.	Reportable: Fe Co Cu Zn;
GI2089-03	24-188 Smart Phone XT2437-1, NFC flex				77.68%		Main: Cu; Other: Si P S Cl K Ca Ti Fe Co Zn Sr Ba; Trace: V Zr Sb Yb.	Reportable: Fe Co Cu Ba Si;
GI2090-00	24-188 Smart Phone XT2437-1, Front camera		0.265	0.13%				
GI2090-01	24-188 Smart Phone XT2437-1, Front camera, Black plastic housing				34.72%	PC	Other: Si P S Cl K Ca Ti Fe Cu Zn Ba; Trace: Co Ni Sn Sb.	Reportable: Fe Co Cu Zn Ba Si;
GI2090-02	24-188 Smart Phone XT2437-1, Front camera, Black plastic ring				4.53%		Main: Cu Zn; Other: Si P S Cl Ca Co; Trace: K Cr Fe Sn Sb.	Reportable: Co Cu Zn;
GI2090-03	24-188 Smart Phone XT2437-1, Front camera, Black foil rings				0.38%	PAI	Other: Si P S Cl Ca; Trace: Cr Fe Ni Cu Zn Sn Sb.	
GI2090-04	24-188 Smart Phone XT2437-1, Front camera, Blue glass				4.53%		Main: Cu Zn; Other: Si P S Cl Ca Ti Co Ba; Trace: K Fe Ni Sn Sb.	Reportable: Co Cu Zn Ba 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. V6 Appendix C relevant compounds [1)]
GI2090-05	24-188 Smart Phone XT2437-1, Front camera, Lenses				10.19%	PMMA	Other: Si P S Cl Ca Ti; Trace: Fe Ni Cu Sn.	
GI2090-06	24-188 Smart Phone XT2437-1, Front camera, Flex				45.66%		Main: Al Si S Ca Ni Cu; Other: P Cl K Ti Fe Co Se Br Sr Zr Pd Ag Sn I Ba Yb Hf Ta W Au; Trace: V Cr Mn Ga Ge As Ce Tl Bi. See x, y – Scan (Chapter 5)	Reportable: Al Fe Co Cu Se Pd Ag Sn Ba Ta W Au Si P; Controlled: Ni BFR*.
GI2091-00	24-188 Smart Phone XT2437-1, Rear camera 1		0.553	0.28%				
GI2091-01	24-188 Smart Phone XT2437-1, Rear camera 1, Metal frame				21.16%		Main: Si P S Fe Ni; Other: Al Mn Co Sn Bi; Trace: V Cr Cu.	Reportable: Fe Co Sn Bi; Controlled: Ni.
GI2091-02	24-188 Smart Phone XT2437-1, Rear camera 1, Black plastic ring 1				5.24%	Polyester	Other: Si P S Cl Ca Cu Sn Ba; Trace: K Fe Ni Zn.	Reportable: Cu Sn Ba;
GI2091-03	24-188 Smart Phone XT2437-1, Rear camera 1, Black plastic frame				3.98%	Polyester	Other: Si P S Cl Ca Ba; Trace: K Fe Ni Zn Sn.	Reportable: Ba;
GI2091-04	24-188 Smart Phone XT2437-1, Rear camera 1, Black plastic housing				18.81%	PC	Other: Si P S Cl K Ca Ti Cu Zn Ba; Trace: Fe Ni Sn Sb.	Reportable: Cu Zn Ba Si;
GI2091-05	24-188 Smart Phone XT2437-1, Rear camera 1, Black plastic ring 2				0.18%	PC	Other: Si P S Cl Ca Cr; Trace: K Ti Fe Ni Zn Sn Sb.	Reportable: Cr;
GI2091-06	24-188 Smart Phone XT2437-1, Rear camera 1, Black foil rings				0.18%	PET	Other: Si P S Cl Ca; Trace: Cr Fe Ni Cu Zn Sn.	
GI2091-07	24-188 Smart Phone XT2437-1, Rear camera 1, Copper wire				2.89%		Main: Si P S Cu; Other: Al Fe Mo Te; Trace: Ni Sn.	Reportable: Fe Cu Te;
GI2091-08	24-188 Smart Phone XT2437-1, Rear camera 1, Contact ring 1				0.18%		Main: Si P S Ti Cu; Other: Al Fe Ni Sn;	Reportable: Fe Cu; Controlled: Ni.
GI2091-09	24-188 Smart Phone XT2437-1, Rear camera 1, Contact ring 2				0.18%		Main: Si P S Ti Cu; Other: Al V Fe Ni Sn;	Reportable: Fe Cu Sn;

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2091-10	24-188 Smart Phone XT2437-1, Rear camera 1, Copper glue strip				3.44%	Metal 80% Acrylic 20%	Main: Cu; Other: Si P S Cl Ca; Trace: Cr Fe Co Ni Zn Sn Sb Yb.	Reportable: Co Cu;
GI2091-11	24-188 Smart Phone XT2437-1, Rear camera 1, Magnets				10.49%		Main: Si P S Fe Ni Cu; Other: Al V Cr Mn Co;	Reportable: Cr** Fe Co Cu; Controlled: Ni.
GI2091-12	24-188 Smart Phone XT2437-1, Rear camera 1, Blue glass				1.45%		Other: Si P S Cl Ca Cu Zn Ba; Trace: K Ti Fe Ni Sn.	Reportable: Cu Zn Ba P;
GI2091-13	24-188 Smart Phone XT2437-1, Rear camera 1, Lenses				9.22%	PMMA	Other: Si P S Cl Ca Ti; Trace: K Fe Ni Zn Sn.	
GI2091-14	24-188 Smart Phone XT2437-1, Rear camera 1, Flex				22.60%		Main: Al Si S Ni Cu; Other: P Cl K Ca Ti Fe Co Br Sr Zr Pd Ag Sn Ba Yb Hf Ta W Au; Trace: Cr Mn Zn Ga Ge Se I Ce Bi. See x, y – Scan (Chapter 5)	Reportable: Al Fe Co Cu Pd Ag Sn Ba Ta W Au Si P; Controlled: Ni BFR*.
GI2092-00	24-188 Smart Phone XT2437-1, Rear camera 2		1.479	0.75%				
GI2092-01	24-188 Smart Phone XT2437-1, Rear camera 2, Metal frame				16.50%		Main: Si Cr Mn Fe Ni Mo; Other: Al P S Ti V Co Cu W Bi; Trace: Se Sn.	Reportable: Al Cr Fe Co Cu W Bi; Controlled: Ni.
GI2092-02	24-188 Smart Phone XT2437-1, Rear camera 2, Copper wire				1.49%		Main: Si P S Cu; Other: Al Ni Zn Sn;	Reportable: Cu;
GI2092-03	24-188 Smart Phone XT2437-1, Rear camera 2, Contact ring				0.07%		Main: Si P S Ti Cu; Other: Al Fe Ni;	Reportable: Fe Cu;
GI2092-04	24-188 Smart Phone XT2437-1, Rear camera 2, Copper wire				2.84%		Main: Si P S Ni Cu; Other: Al Ti Fe Zn; Trace: Cr Sn Te.	Reportable: Fe Cu Zn; Controlled: Ni.
GI2092-05	24-188 Smart Phone XT2437-1, Rear camera 2, Black plastic ring 1				0.27%	PC	Other: Si P S Cl Ca; Trace: Cr Fe Ni Zn Sn Sb.	

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. V6 Appendix C relevant compounds [1)]
GI2092-06	24-188 Smart Phone XT2437-1, Rear camera 2, Black foil rings				0.07%	PET	Other: Si P S Cl Ca Cr; Trace: Fe Ni Zn Sn.	Reportable: Cr;
GI2092-07	24-188 Smart Phone XT2437-1, Rear camera 2, Black plastic ring 2				0.20%	PC	Other: Si P S Cl Ca; Trace: Cr Fe Ni Zn.	
GI2092-08	24-188 Smart Phone XT2437-1, Rear camera 2, Black plastic housing				5.41%	PC	Other: Si P S Ca; Trace: Cl Fe Ni Cu Sn.	
GI2092-09	24-188 Smart Phone XT2437-1, Rear camera 2, Black plastic				7.23%	Polyester	Other: Si P S Cl K Ca Fe Cu Sn; Trace: Ti Co Zn Rb Ba.	Reportable: Fe Co Cu Si;
GI2092-10	24-188 Smart Phone XT2437-1, Rear camera 2, Contacts				2.23%		Main: Si P S Ni Cu Sn Au; Other: Al Ti Fe Ag; Trace: V.	Reportable: Fe Cu Ag Sn Au; Controlled: Ni.
GI2092-11	24-188 Smart Phone XT2437-1, Rear camera 2, Contacts 2				0.07%		Main: Si P S Ti Cu; Other: Al Cr Fe Ni; Trace: Zn Sn.	Reportable: Cr Fe Cu; Controlled: Ni.
GI2092-12	24-188 Smart Phone XT2437-1, Rear camera 2, Black plastic parts				10.28%	PA	Main: Cu; Other: Si P S Cl K Ca Ti Fe Sn Ba; Trace: Co Zn Sr Yb.	Reportable: Fe Co Cu Sn Ba Si;
GI2092-13	24-188 Smart Phone XT2437-1, Rear camera 2, Blue glass				0.41%		Other: Si P S Cl Ca Ti Cu Ta; Trace: K Fe Ni Zn Sn.	Reportable: Cu Ta Si;
GI2092-14	24-188 Smart Phone XT2437-1, Rear camera 2, White glue				0.34%	TPE	Other: Si P S Cl Ca Ni Cu; Trace: Ti Cr Fe Zn Sn.	Reportable: Cu;
GI2092-15	24-188 Smart Phone XT2437-1, Rear camera 2, Lenses				5.14%	PMMA	Other: Si P S Ca Ti; Trace: Cl Fe Ni Zn.	
GI2092-16	24-188 Smart Phone XT2437-1, Rear camera 2, Magnets				17.17%		Main: Si P S Fe Ni Cu; Other: Al V Cr Mn Co Sn;	Reportable: Cr** Fe Co Cu Sn; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds 1)
GI2092-17	24-188 Smart Phone XT2437-1, Rear camera 2, Flex				30.29%		Main: Al Si S Ca Ni Cu; Other: P Cl K Ti Fe Zr Pd Ag Sn Ba Yb Hf Ta W Au; Trace: V Cr Mn Zn Ga Ge Se Br Sr Mo La Bi. See x, y – Scan (Chapter 5)	Reportable: Al Fe Cu Pd Ag Sn Ba Ta W Au Si P; Controlled: Ni.
GI2093-00	24-188 Smart Phone XT2437-1, Main PWB		16.244	8.19%				
GI2093-01	24-188 Smart Phone XT2437-1, Main PWB, Metal shielding 1				25.07%		Main: Si Ni Cu Zn; Other: Al P S Cr Mn Fe Co Sn; Trace: Ti V.	Reportable: Cr Fe Co Cu Zn Sn; Controlled: Ni.
GI2093-02	24-188 Smart Phone XT2437-1, Main PWB, Metal shielding 2				4.37%		Main: Al Si Ni Cu Zn; Other: P S Mn Fe Co Sn; Trace: V Cr.	Reportable: Al Fe Co Cu Zn Sn; Controlled: Ni.
GI2093-03	24-188 Smart Phone XT2437-1, Main PWB, Metal shielding 3				3.06%		Main: Cr Mn Fe Ni; Other: Al Si P S Ti V Co Cu Mo Sn Bi; Trace: Se.	Reportable: Al Cr Fe Co Cu Sn Bi; Controlled: Ni.
GI2093-04	24-188 Smart Phone XT2437-1, Main PWB, Metal clamp				0.49%		Main: Si P S Cr Mn Fe Ni; Other: Al V Co Cu Mo Sn W;	Reportable: Cr Fe Co Cu W; Controlled: Ni.
GI2093-05	24-188 Smart Phone XT2437-1, Main PWB, Black glue strip				2.55%	Metal 40% PET 40% Acrylic 20%	Main: Ni Cu; Other: Al Si P S Cl K Ca Ti Cr Fe Co Zn Ga Sn Yb; Trace: Mn Zr Sb Ba.	Reportable: Al Cr Fe Co Cu Zn Si P; Controlled: Ni.
GI2093-06	24-188 Smart Phone XT2437-1, Main PWB, Black rubber part				0.15%	Silicone	Other: Si P S Cl Ca Fe; Trace: Ti Ni Cu Zn Sn Sb.	Reportable: Fe Si;
GI2093-07	24-188 Smart Phone XT2437-1, Main PWB, Metallic glue strip				0.02%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn Sn; Trace: S K Ti Cr Fe Sb.	Reportable: Co Cu Zn Sn; Controlled: Ni.
GI2093-08	24-188 Smart Phone XT2437-1, Main PWB, Metal shielding 4				0.05%		Main: Si P S Ni Cu Zn Au; Other: Al Fe Sn;	Reportable: Fe Cu Zn Sn Au; Controlled: Ni.
GI2093-09	24-188 Smart Phone XT2437-1, Main PWB, Metal clamp 2				0.19%		Main: Si P S Cr Mn Fe Ni; Other: Al V Co Cu Mo W; Trace: Sn.	Reportable: Cr Fe Co Cu W; Controlled: Ni.

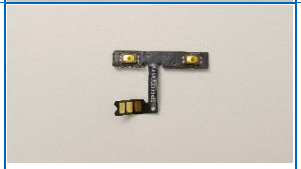
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2093-10	24-188 Smart Phone XT2437-1, Main PWB, Black plastic part				0.09%	Polyester	Other: Si P S Cl Ca; Trace: K Cr Fe Ni Cu Zn Sn Sb.	
GI2093-11	24-188 Smart Phone XT2437-1, Main PWB, Blue thermal paste				2.14%	TPE	Other: Al Si P Ca; Trace: S Cl Fe Cu Zn Sn.	Reportable: Al;
GI2093-12	24-188 Smart Phone XT2437-1, Main PWB				61.80%		See Material Assay PWB (Chapter 4) See x, y – Scan (Chapter 5)	**Controlled**: **Pb**
GI2093-13	24-188 Smart Phone XT2437-1, Main PWB, Humidity indicator				0.01%		Other: Si P Cl Ca Ti Ni Zn Sn; Trace: S K Cr Fe Cu.	Reportable: Zn;
GI2094-00	24-188 Smart Phone XT2437-1, Top speaker		0.973	0.49%				
GI2094-01	24-188 Smart Phone XT2437-1, Top speaker, Metal frame 1				15.31%		Main: Si Cr Fe Ni; Other: Al P S Ti V Mn Co Cu Bi; Trace: Se Mo Sn W.	Reportable: Al Cr Fe Co Cu Bi; Controlled: Ni.
GI2094-02	24-188 Smart Phone XT2437-1, Top speaker, Membrane				0.72%	PPS/PC 40% Metal 40% PUR 20%	Main: Al; Other: Si P S Cl Ca Fe Cu; Trace: Ti Cr Ni Zn Sn Sb.	Reportable: Al Fe Cu Si;
GI2094-03	24-188 Smart Phone XT2437-1, Top speaker, Metal frame 2				7.50%		Main: Si P S Fe Ni; Other: Al Mn Co; Trace: V Cr Sn.	Reportable: Fe Co; Controlled: Ni.
GI2094-04	24-188 Smart Phone XT2437-1, Top speaker, Metal plate 1				20.76%		Main: P Fe Ni; Other: Al Si S Mn Co Cu Zn Bi; Trace: V Cr Sn.	Reportable: Al Fe Co Bi; Controlled: Ni.
GI2094-05	24-188 Smart Phone XT2437-1, Top speaker, Magnet 1				19.73%		Main: Fe Ni Zn; Other: Al Si P S Ca Ti Cr Co Ga Ge Zr Nb Mo Te W Tl; Trace: V Mn Sn Sb Bi.	Reportable: Al Cr** Fe Co Zn Te W Tl; Controlled: Ni.
GI2094-06	24-188 Smart Phone XT2437-1, Top speaker, Metal plate 2				6.37%		Main: Si P S Fe Ni; Other: Al Mn Co Zn Bi; Trace: V Cr Cu Te.	Reportable: Fe Co Zn Bi; Controlled: Ni.
GI2094-07	24-188 Smart Phone XT2437-1, Top speaker, Black net 1				0.21%	PET	Other: Si P S Cl Ca Ti; Trace: Cr Fe Ni Cu Zn Sn.	

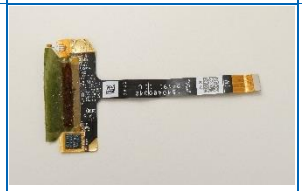
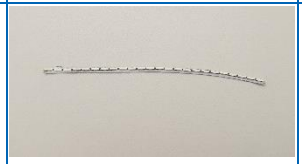
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2094-08	24-188 Smart Phone XT2437-1, Top speaker, Black nets 2				0.10%	PET	Other: Si Cl Ni Cu Zn; Trace: P S Ca Ti Cr Fe Sn.	
GI2094-09	24-188 Smart Phone XT2437-1, Top speaker, Black plastic part				4.52%	Silicone	Other: Si P S Cl Ca; Trace: K Ti Cr Fe Ni Cu Zn Sn Sb.	Reportable: Si;
GI2094-10	24-188 Smart Phone XT2437-1, Top speaker, Magnets 2				18.91%		Main: Si P S Fe Zn; Other: Al V Cr Mn Co Cu Ga Te;	Reportable: Cr** Fe Co Cu Zn Te;
GI2094-11	24-188 Smart Phone XT2437-1, Top speaker, Clear glue strip 1				0.10%	Silicone	Other: Si P Cl Ca Ni; Trace: S Cr Fe Cu Zn Sn Sb.	
GI2094-12	24-188 Smart Phone XT2437-1, Top speaker, Clear glue strip 2				0.10%	Acrylic	Other: Si Cl Ni Cu Zn; Trace: P S K Ca Cr Fe Sn Sb.	
GI2094-13	24-188 Smart Phone XT2437-1, Top speaker, Flex				5.65%		Main: Cu; Other: Al Si P S Cl K Ca Fe Ni Zr Sn Hf; Trace: Ti Mn Zn Ga I Yb. See x, y – Scan (Chapter 5)	Reportable: Al Fe Cu Sn Si P;
GI2095-00	24-188 Smart Phone XT2437-1, Battery		61.741	31.13%				
GI2095-01	24-188 Smart Phone XT2437-1, Battery, Flex				1.48%		Main: Si S Cl Ni Cu Sn; Other: Al P K Ca Mn Fe Zn Sr Zr Ag I Ba Hf; Trace: Ti V Cr Ga Br In La. See x, y – Scan (Chapter 5)	Reportable: Al Fe Cu Ag Sn Ba Si P; **Controlled**: Ni **Pb**.
GI2095-02	24-188 Smart Phone XT2437-1, Battery, Black glue strips				0.34%	PAI 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Fe Ni Cu Zn Sn.	Reportable: Si;
GI2095-03	24-188 Smart Phone XT2437-1, Battery, Black shock pad				0.06%	Silicone 80% Acrylic 20%	Other: Si P S Cl Ca Fe; Trace: K Ti Co Ni Cu Zn Sn Sb.	Reportable: Fe Co Si;
GI2095-04	24-188 Smart Phone XT2437-1, Battery, White glue strip				0.03%	PET 80% Acrylic 20%	Other: Si P Cl Ca Ti Zn; Trace: S K Fe Ni Cu Sn Sb.	Reportable: Zn;

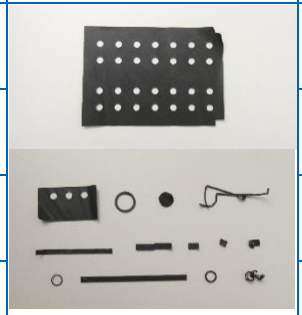
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2095-05	24-188 Smart Phone XT2437-1, Battery, Outer cover				5.61%	Metal 70% PP 15% PA 15%	Main: Al Fe; Other: Si P S Cl K Ca Ti V Cr; Trace: Mn Co Ni Cu Zn Ga Zr Mo.	Reportable: Al Cr Fe Co Si;
GI2095-06	24-188 Smart Phone XT2437-1, Battery, Copper foil				10.07%		Main: Cu; Other: Al Si P S Cr Fe Co Ni Zn; Trace: V Sn.	Reportable: Al Cr Fe Co Cu Zn; Controlled: Ni.
GI2095-07	24-188 Smart Phone XT2437-1, Battery, Silver foil				8.24%		Main: Al P Co; Other: Si S Ti V Mn Fe Cu; Trace: Zn Ga Zr.	Reportable: Al Fe Co Cu;
GI2095-08	24-188 Smart Phone XT2437-1, Battery, White foil				6.41%	PE	Main: P Cu; Other: Al Si S Cl Ca Co; Trace: K Cr Fe Ni Zn Ga Sb Yb.	Reportable: Al Co Cu P;
GI2095-09	24-188 Smart Phone XT2437-1, Battery, Green glue strips 1				0.17%	PET 80% Acrylic 20%	Main: Co Ni Zn; Other: Si P S Cl Ca Ti Cr Cu Sb; Trace: K Fe Zr Sn Au.	Reportable: Cr Co Cu Zn Sb P; Controlled: Ni.
GI2095-10	24-188 Smart Phone XT2437-1, Battery, Green glue strips 2				0.07%	PET 80% Acrylic 20%	Main: Co Ni; Other: Si P S Cl Ca Ti Cr Cu Zn; Trace: K Fe Sn Sb.	Reportable: Cr Co Cu Zn P; Controlled: Ni.
GI2095-11	24-188 Smart Phone XT2437-1, Battery, Green glue strips 3				0.18%	PET 80% Acrylic 20%	Main: Co; Other: Si P S Cl Ca Ti Ni Cu Zn; Trace: K Cr Fe Zr Sn Sb.	Reportable: Co Cu Zn P; Controlled: Ni.
GI2095-12	24-188 Smart Phone XT2437-1, Battery, Green glue strips 4				0.06%	PET	Main: Co; Other: Si P S Cl Ca Ti Ni Cu Sb; Trace: K Fe Zn Sn.	Reportable: Co Cu Sb P;
GI2095-13	24-188 Smart Phone XT2437-1, Battery, Blue glue strips				0.10%	PET	Other: Si P S Cl Ca Co Cu; Trace: K Fe Ni Zn Sn Sb.	Reportable: Co Cu;
GI2095-14	24-188 Smart Phone XT2437-1, Battery, Contact 1				0.24%		Main: Al Ni; Other: Si P S Ti Fe Co Cu; Trace: V Cr.	Reportable: Al Fe Co Cu; Controlled: Ni.
GI2095-15	24-188 Smart Phone XT2437-1, Battery, Contact 2				0.12%		Main: Al P Ni; Other: Si S Ti V Cr Fe Co; Trace: Cu Ga.	Reportable: Al Cr Fe Co; Controlled: Ni.

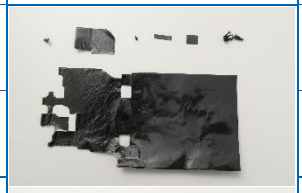
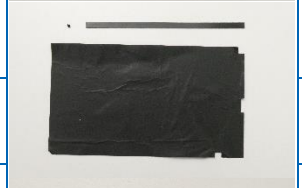
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2095-16	24-188 Smart Phone XT2437-1, Battery, Carbon coating				66.80%		Main: P Co Cu; Other: S Cl Ca Ti Fe Ni Er Yb; Trace: K V Cr Mn Zn Sr Mo U.	Reportable: Fe Co Cu Er P; Controlled: Ni.
GI2096-00	24-188 Smart Phone XT2437-1, White connection cable		0.236	0.12%				
GI2096-01	24-188 Smart Phone XT2437-1, White connection cable, Metal contact holder				13.14%		Main: Si P S Ni Cu Sn; Other: Al Ti Fe Au; Trace: Cr Mo.	Reportable: Fe Cu Sn Au; Controlled: Ni.
GI2096-02	24-188 Smart Phone XT2437-1, White connection cable, Metal contact				0.42%		Main: Si P S Ni Cu; Other: Al Fe Co Sn Au;	Reportable: Fe Co Cu Sn Au; Controlled: Ni.
GI2096-03	24-188 Smart Phone XT2437-1, White connection cable, Plastic Insert				0.63%	PP	Other: Si P S Cl Ca; Trace: K Cr Fe Ni Cu Zn Sn Sb.	
GI2096-04	24-188 Smart Phone XT2437-1, White connection cable, Wire 1				21.61%		Main: Si P S Cu Sn; Other: Al Ni Zn;	Reportable: Cu Zn Sn;
GI2096-05	24-188 Smart Phone XT2437-1, White connection cable, Wire 2				22.88%		Main: Si P S Cu Sn; Other: Al Fe Ni Zn Ag;	Reportable: Fe Cu Zn Ag Sn; Controlled: Ni.
GI2096-06	24-188 Smart Phone XT2437-1, White connection cable, Outer cable jacket				15.68%	PTFE	Other: Si P S Cl Ca Ti Cu; Trace: Fe Ni Zn Sn Sb.	Reportable: Cu;
GI2096-07	24-188 Smart Phone XT2437-1, White connection cable, Inner cable jacket				25.85%	PTFE	Main: Cu; Other: Si P S Cl Ca Ti Co; Trace: Cr Fe Ni Zn Ag Sn.	Reportable: Co Cu;
GI2097-00	24-188 Smart Phone XT2437-1, Red connection cable		0.198	0.10%				
GI2097-01	24-188 Smart Phone XT2437-1, Red connection cable, Metal contact holder				16.16%		Main: Si P S Ni Cu Sn; Other: Al Mo Au; Trace: Fe.	Reportable: Cu Sn Au; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2097-02	24-188 Smart Phone XT2437-1, Red connection cable, Black plastic insert				0.51%	PP	Other: Si P S Cl Ca Ni Cu; Trace: K Cr Fe Zn Sn.	
GI2097-03	24-188 Smart Phone XT2437-1, Red connection cable, Contacts				0.51%		Main: Si P S Ni Cu Sn; Other: Al Fe Au;	Reportable: Fe Cu Sn Au; Controlled: Ni.
GI2097-04	24-188 Smart Phone XT2437-1, Red connection cable, Red outer cable				15.66%	PTFE	Other: Si P S Cl Ca Cu; Trace: Ti Cr Fe Co Ni Zn Sn.	Reportable: Co;
GI2097-05	24-188 Smart Phone XT2437-1, Red connection cable, Wire 1				36.36%		Main: Si P S Cu Sn; Other: Al Ni Zn; Trace: Fe.	Reportable: Cu Zn Sn; Controlled: Ni.
GI2097-06	24-188 Smart Phone XT2437-1, Red connection cable, White inner cable				22.22%	PTFE	Other: Si P S Cl Ca Ti; Trace: Fe Ni Cu Zn Sn.	
GI2097-07	24-188 Smart Phone XT2437-1, Red connection cable, Wire 2				8.59%		Main: Si P S Cu Ag; Other: Al Fe Ni Zn;	Reportable: Fe Cu Zn Ag; Controlled: Ni.
GI2098-00	24-188 Smart Phone XT2437-1, Black connection cable		0.175	0.09%				
GI2098-01	24-188 Smart Phone XT2437-1, Black connection cable, Metal contact holder				17.71%		Main: Si P S Ni Cu Sn; Other: Al Te Au;	Reportable: Cu Sn Te Au; Controlled: Ni.
GI2098-02	24-188 Smart Phone XT2437-1, Black connection cable, Black plastic insert				0.57%	PP	Other: Si P S Cl Ca Ni Cu; Trace: K Cr Fe Zn Sn Sb Au.	Reportable: Cu;
GI2098-03	24-188 Smart Phone XT2437-1, Black connection cable, Contacts				0.57%		Main: Si P S Ni Cu; Other: Al Ti Fe Co Sn Au;	Reportable: Fe Co Cu Sn Au; Controlled: Ni.
GI2098-04	24-188 Smart Phone XT2437-1, Black connection cable, Black outer cable				16.00%	PTFE	Other: Si P S Cl Ca; Trace: Ti Cr Fe Ni Cu Zn Sn Sb.	

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. V6 Appendix C relevant compounds [1)]
GI2098-05	24-188 Smart Phone XT2437-1, Black connection cable, Wire 1				36.57%		Main: Si P S Cu Sn; Other: Al Fe Ni Zn;	Reportable: Fe Cu Zn Sn; Controlled: Ni.
GI2098-06	24-188 Smart Phone XT2437-1, Black connection cable, White inner cable				21.14%	PTFE	Other: Si S Cl Ti; Trace: P Ca Cr Fe Ni Cu Zn Sn.	
GI2098-07	24-188 Smart Phone XT2437-1, Black connection cable, Wire 2				7.43%		Main: Si P S Cu Ag; Other: Al Ti Ni Zn; Trace: Fe.	Reportable: Cu Zn Ag; Controlled: Ni.
GI2099-00	24-188 Smart Phone XT2437-1, Connection flex		0.583	0.29%			Main: Ni Cu; Other: Al Si P S Cl Ca Ti Fe Co Zr Ag Sn W Au; Trace: K Mn Sr Ru Pd I Ba. See x, y – Scan (Chapter 5)	Reportable: Al Fe Co Cu Ag Sn W Au Si P; Controlled: Ni.
GI2100-00	24-188 Smart Phone XT2437-1, Volume button flex		0.132	0.07%			Main: Si Cr Mn Fe Ni Cu; Other: Al P S Cl K Ca V Co Zr Mo Ag Sn Au; Trace: Pd I Ba. See x, y – Scan (Chapter 5)	Reportable: Al Cr Fe Co Cu Ag Sn Au Si P; Controlled: Ni.
GI2101-00	24-188 Smart Phone XT2437-1, Power button flex		0.243	0.12%			Main: Si S Fe Ni Cu Sn; Other: Al P Cl K Ca Cr Mn Co Zn Sr Zr Mo Ag Ba Au; Trace: Ti V Ga Br Rb I. See x, y – Scan (Chapter 5)	Reportable: Al Cr Fe Co Cu Zn Ag Sn Ba Au Si P; Controlled: Ni.
GI2102-00	24-188 Smart Phone XT2437-1, Metal housing		33.685	16.99%				
GI2102-01	24-188 Smart Phone XT2437-1, Metal housing				70.36%		Main: Al Si P; Other: S Ti V Cr Mn Fe Ni Cu Zn Ga Zr; Trace: Co Sn Pb.	Reportable: Al Cr** Fe Co Cu Zn;
GI2102-02	24-188 Smart Phone XT2437-1, Metal housing, Black plastic part 1				29.07%	PC	Other: Si P Cl K Ca Fe; Trace: S Ti Cu Zn Sr Zr Sn Ba.	Reportable: Fe;
GI2102-03	24-188 Smart Phone XT2437-1, Metal housing, Volume button				0.21%	PC/PET	Other: Si P S Cl Ca Ti; Trace: K Fe Sn.	

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2102-04	24-188 Smart Phone XT2437-1, Metal housing, Black plastic part 2				0.20%	PC	Other: Si Cl Ca; Trace: P S K Ti Cr Fe Ni Zn Sr Sn.	
GI2102-05	24-188 Smart Phone XT2437-1, Metal housing, Black shock pad 1				0.09%	PE 40% Silicone 40% Acrylic 20%	Other: Si P Cl Ca Zn; Trace: S Cr Fe Ni Cu Sn Sb.	Reportable: Zn;
GI2102-06	24-188 Smart Phone XT2437-1, Metal housing, Black net				0.00%	PET	Other: Si P S Cl Ca; Trace: K Ti Cr Fe Ni Cu Zn Sn Sb.	
GI2102-07	24-188 Smart Phone XT2437-1, Metal housing, Black shock pad 2				0.00%	Acrylic	Other: Si P Cl Ca Ni Zn; Trace: S K Cr Fe Cu Sn.	Reportable: Zn;
GI2102-08	24-188 Smart Phone XT2437-1, Metal housing, Metal golden plates				0.06%		Main: Si P S Ni Cu Sn Au; Other: Al Ti Fe;	Reportable: Fe Cu Sn Au; Controlled: Ni.
GI2103-00	24-188 Smart Phone XT2437-1, Display connection flex		0.894	0.45%			Main: Ni Cu Sn; Other: Al Si P S Cl Ca Ti Fe Zr Ag I Ba Ta Au; Trace: K Cr Mn Ga Ge Pd Cs Pb. See x, y – Scan (Chapter 5)	Reportable: Al Fe Cu Ag Sn Ba Au Si P; **Controlled**: Ni **Pb**.
GI2104-00	24-188 Smart Phone XT2437-1, Display LED flex		0.069	0.03%			Main: Ti Cu Ag Sn; Other: Al Si P S Cl K Ca V Fe Ni Zn Ga Zr I Hf Au; Trace: Mn Ge Nb In Sb Yb. See x, y – Scan (Chapter 5)	Reportable: Al Fe Cu Ag Sn Au Si P; Controlled: Ni.
GI2105-00	24-188 Smart Phone XT2437-1, Display		31.392	15.83%				
GI2105-01	24-188 Smart Phone XT2437-1, Display, Back foil 1				1.50%	PET 80% Acrylic 20%	Other: Si P Ca; Trace: S Cl K Fe Co Ni Zn Sn Sb.	Reportable: Co;
GI2105-02	24-188 Smart Phone XT2437-1, Display, Back foil 2				2.15%	Cellulose Polyester 80% Acrylic 20%	Other: Si P S Cl K Ca Ti I; Trace: Fe Ni Cu Zn Sn.	
GI2105-03	24-188 Smart Phone XT2437-1, Display, Back glass				12.37%		Main: Si Sr; Other: Al P S Cl K Ca Ti Sn; Trace: Fe Br Rb Mo In Ba Th U.	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. V6 Appendix C relevant compounds [1)]
GI2105-04	24-188 Smart Phone XT2437-1, Display, LCD glass with foil				21.62%		Other: Al Si P S Cl Ca Zn Br Sr Sn Ba; Trace: K Fe Ni Cu Zr Sb I Cs W.	Reportable: Al Zn Sn Ba Si; Controlled: BFR*.
GI2105-05	24-188 Smart Phone XT2437-1, Display, Front glass				62.36%		Other: Al Si P S Cl K Ca Ti Zn Sr Sn Ba; Trace: Fe Cu Br Rb Zr.	Reportable: Al Zn Sn Ba Si;
GI2106-00	24-188 Smart Phone XT2437-1, Black shock pads 1-14		1.433	0.72%				
GI2106-01	24-188 Smart Phone XT2437-1, Black shock pad 1				76.13%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Fe Ni Zn Sn Sb.	
GI2106-02	24-188 Smart Phone XT2437-1, Black shock pad 2				10.75%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Fe Ni Cu Zn Sb.	
GI2106-03	24-188 Smart Phone XT2437-1, Black shock pad 3				0.77%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca Ni Cu; Trace: S K Cr Fe Zn Sn Sb.	Reportable: Cu;
GI2106-04	24-188 Smart Phone XT2437-1, Black shock pad 4				1.19%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca Ni; Trace: S K Cr Fe Cu Zn Sn Sb.	
GI2106-05	24-188 Smart Phone XT2437-1, Black shock pad 5				2.02%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Cr Fe Ni Cu Zn Sn Sb.	
GI2106-06	24-188 Smart Phone XT2437-1, Black shock pad 6				1.67%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca Ni; Trace: S K Cr Fe Cu Zn Sn Sb.	
GI2106-07	24-188 Smart Phone XT2437-1, Black shock pad 7				1.88%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca Cu; Trace: S K Cr Fe Ni Zn Sn Sb.	
GI2106-08	24-188 Smart Phone XT2437-1, Black shock pad 8				0.49%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Cr Fe Co Ni Cu Zn Sn Sb.	Reportable: Co;
GI2106-09	24-188 Smart Phone XT2437-1, Black shock pad 9				0.21%	PUR 60% PET 40%	Other: Si P Cl Ca; Trace: S K Cr Fe Ni Cu Zn Sn Sb.	
GI2106-10	24-188 Smart Phone XT2437-1, Black shock pad 10				0.56%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca Cr Ni Cu; Trace: S K Fe Zn Sb.	Reportable: Cr Cu;

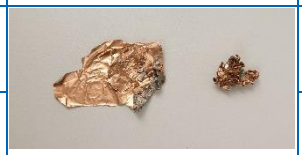
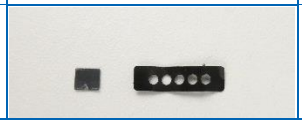
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2106-11	24-188 Smart Phone XT2437-1, Black shock pad 11				0.07%	PUR 60% PET 20% Acrylic 20%	Other: Si Cl Ni; Trace: P S K Ca Cr Fe Cu Zn Sn Sb.	
GI2106-12	24-188 Smart Phone XT2437-1, Black shock pad 12				3.84%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Cr Fe Ni Cu Zn Sn Sb.	
GI2106-13	24-188 Smart Phone XT2437-1, Black shock pad 13				0.07%	PUR 60% PET 40%	Other: Si P S Cl Ca Ni; Trace: Cr Fe Cu Zn Sn Sb.	
GI2106-14	24-188 Smart Phone XT2437-1, Black shock pad 14				0.35%	PE 80% Acrylic 20%	Other: Si P Cl Ca Ni Cu Zn; Trace: S K Cr Fe Sn Sb.	Reportable: Zn;
GI2107-00	24-188 Smart Phone XT2437-1, Black glue strips 1-17		2.132	1.08%				
GI2107-01	24-188 Smart Phone XT2437-1, Black glue strips 1				0.05%	Acrylic	Other: Si P Cl Ca Ni; Trace: S K Cr Fe Cu Zn Sn.	
GI2107-02	24-188 Smart Phone XT2437-1, Black glue strips 2				1.59%	PET 80% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Cr Fe Ni Cu Zn Sn Sb.	
GI2107-03	24-188 Smart Phone XT2437-1, Black glue strips 3				0.05%	Acrylic	Other: Si P Cl Ca Ni Zn; Trace: S K Cr Fe Cu Sn Sb.	Reportable: Zn;
GI2107-04	24-188 Smart Phone XT2437-1, Black glue strips 4				0.05%	PET 80% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Cr Fe Ni Cu Zn Sn Sb.	
GI2107-05	24-188 Smart Phone XT2437-1, Black glue strips 5				0.19%	PET 80% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Cr Fe Ni Cu Zn Sn Sb.	
GI2107-06	24-188 Smart Phone XT2437-1, Black glue strips 6				0.19%	Acrylic	Other: Si S Cl Ca Fe Co Ni Cu Zn; Trace: P K Cr Sn.	Reportable: Fe Co Cu Zn; Controlled: Ni.
GI2107-07	24-188 Smart Phone XT2437-1, Black glue strips 7				30.58%	PET 80% Acrylic 20%	Other: Si P Cl Ca; Trace: S Cr Fe Ni Cu Zn Sn Sb.	
GI2107-08	24-188 Smart Phone XT2437-1, Black glue strips 8				0.05%	Acrylic	Other: Si Cl Ca Ni Zn; Trace: P Cr Fe Cu Sn.	Reportable: Zn;

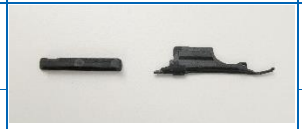
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2107-09	24-188 Smart Phone XT2437-1, Black glue strips 9				3.00%	PET 80% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Cr Fe Ni Zn Sn Sb.	
GI2107-10	24-188 Smart Phone XT2437-1, Black glue strips 10				57.83%	PET 80% Acrylic 20%	Other: Si P Cl Ca Ni; Trace: S K Cr Fe Zn Sn Sb.	
GI2107-11	24-188 Smart Phone XT2437-1, Black glue strips 11				0.05%	PET 80% Acrylic 20%	Other: Si Cl; Trace: S Ca Cr Fe Ni Cu Zn Sn.	
GI2107-12	24-188 Smart Phone XT2437-1, Black glue strips 12				3.33%	PET	Main: Cu; Other: Si P Cl Ca Ti Co Ni; Trace: S K Cr Fe Zn Sn Sb.	Reportable: Co Cu; Controlled: Ni.
GI2107-13	24-188 Smart Phone XT2437-1, Black glue strips 13				0.14%	PET 80% Acrylic 20%	Other: Si P Cl Ca Ni; Trace: S K Cr Fe Cu Zn Sn Sb.	
GI2107-14	24-188 Smart Phone XT2437-1, Black glue strips 14				2.53%	PET 80% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Ti Cr Fe Ni Cu Zn Sr Sn Sb.	
GI2107-15	24-188 Smart Phone XT2437-1, Black glue strips 15				0.05%	PET 80% Acrylic 20%	Other: Si P Cl Ca Ni; Trace: S Cr Fe Cu Zn Sn Sb.	
GI2107-16	24-188 Smart Phone XT2437-1, Black glue strips 16				0.05%	PMMA 80% Acrylic 20%	Other: Si P Cl Ca Ni; Trace: S K Cr Fe Cu Zn Sn Sb.	
GI2107-17	24-188 Smart Phone XT2437-1, Black glue strips 17				0.28%	PET 80% Acrylic 20%	Other: Si P Cl Ca; Trace: S Cr Fe Ni Cu Zn Sn Sb.	
GI2108-00	24-188 Smart Phone XT2437-1, Label 1-7		0.029	0.01%				
GI2108-01	24-188 Smart Phone XT2437-1, Label 1				27.59%	Paper 50% PP 50%	Main: Ca; Other: Si P S Cl; Trace: K Cr Fe Ni Cu Zn Sn.	
GI2108-02	24-188 Smart Phone XT2437-1, Label 2				20.69%	Paper 80% ASA 20%	Main: Ca; Other: Si P S Cl; Trace: K Cr Fe Ni Cu Zn Sn.	
GI2108-03	24-188 Smart Phone XT2437-1, Label 3				20.69%	Paper 80% ASA 20%	Main: Ca; Other: Si P Cl; Trace: S K Cr Fe Ni Cu Zn Sn.	

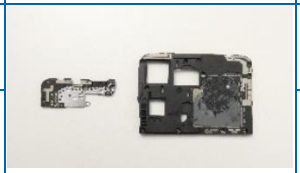
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2108-04	24-188 Smart Phone XT2437-1, Label 4				6.90%	PP 80% Acrylic 20%	Other: Si P S Cl Ca Ti Ni Zn; Trace: K Cr Fe Cu Sn.	Reportable: Zn;
GI2108-05	24-188 Smart Phone XT2437-1, Label 5				3.45%	Acrylic	Other: Si P Cl Ca Ti Ni Cu; Trace: S Cr Fe Zn Sn Sb.	Reportable: Cu; Controlled: Ni.
GI2108-06	24-188 Smart Phone XT2437-1, Label 6				17.24%	Paper 80% ASA 20%	Main: Ca; Other: Si P Cl Ni Cu; Trace: S K Cr Fe Zn Sn.	
GI2108-07	24-188 Smart Phone XT2437-1, Label 7				3.45%	Paper 80% ASA 20%	Other: Si P S Cl Ca Ti Ni Cu; Trace: K Cr Fe Zn.	
GI2109-00	24-188 Smart Phone XT2437-1, Black glue 1-6, Blue glue		0.756	0.38%				
GI2109-01	24-188 Smart Phone XT2437-1, Black glue 1				59.52%	Acrylic	Other: Si S Cl Ca; Trace: K Ti Fe Cu.	
GI2109-02	24-188 Smart Phone XT2437-1, Black glue 2				1.19%	Acrylic	Other: Si P Cl Ca Zn; Trace: S K Cr Fe Ni Cu Sn Sb.	Reportable: Zn;
GI2109-03	24-188 Smart Phone XT2437-1, Black glue 3				3.84%	Acrylic	Other: Si P Cl Ca Cu Zn; Trace: S K Ti Cr Fe Ni Sn Sb.	Reportable: Zn;
GI2109-04	24-188 Smart Phone XT2437-1, Black glue 4				33.47%	Acrylic	Other: Si Cl Ca; Trace: S K Fe Sn.	
GI2109-05	24-188 Smart Phone XT2437-1, Black glue 5				0.13%	Acrylic	Other: Si P Cl Ca Ni Zn; Trace: S K Cr Fe Cu Sn Sb.	Reportable: Zn;
GI2109-06	24-188 Smart Phone XT2437-1, Black glue 6				0.40%	Acrylic	Other: Si P Cl Ca Cu Zn; Trace: S K Cr Fe Ni Sn Sb.	Reportable: Cu Zn;
GI2109-07	24-188 Smart Phone XT2437-1, Blue glue				1.46%	Silicone	Other: Si P S Cl Ca; Trace: Ti Cr Fe Ni Zn Sn Sb.	Reportable: Si;
GI2110-00	24-188 Smart Phone XT2437-1, Metallic shock pad 1- 7		0.078	0.04%				
GI2110-01	24-188 Smart Phone XT2437-1, Metallic shock pad 1				1.28%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Ga Sn.	Reportable: Co Cu Zn; Controlled: Ni.
GI2110-02	24-188 Smart Phone XT2437-1, Metallic shock pad 2				6.41%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Sn Sb.	Reportable: Co Cu Zn; Controlled: Ni.

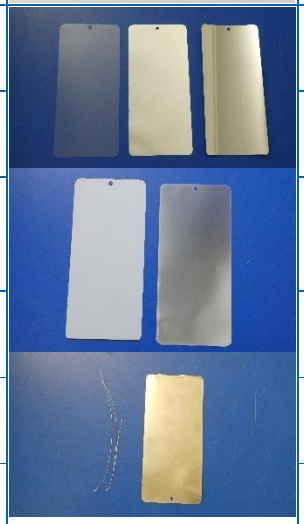
Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2110-03	24-188 Smart Phone XT2437-1, Metallic shock pad 3				1.28%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Sb.	Reportable: Co Cu Zn; Controlled: Ni.
GI2110-04	24-188 Smart Phone XT2437-1, Metallic shock pad 4				1.28%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Sn Sb.	Reportable: Co Cu Zn; Controlled: Ni.
GI2110-05	24-188 Smart Phone XT2437-1, Metallic shock pad 5				80.77%	PUR 60% PET 20% Acrylic 20%	Main: Cu; Other: Si P Cl Ca Ti Co Ni; Trace: S K Cr Fe Zn Sb.	Reportable: Co Cu; Controlled: Ni.
GI2110-06	24-188 Smart Phone XT2437-1, Metallic shock pad 6				7.69%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Sn Sb.	Reportable: Co Cu Zn; Controlled: Ni.
GI2110-07	24-188 Smart Phone XT2437-1, Metallic shock pad 7				1.28%	PUR 60% PET 20% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Sn Sb.	Reportable: Co Cu Zn; Controlled: Ni.
GI2111-00	24-188 Smart Phone XT2437-1, Metallic glue strip 1-8		0.055	0.03%				
GI2111-01	24-188 Smart Phone XT2437-1, Metallic glue strip 1				12.73%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Sn Sb.	Reportable: Co Cu Zn; Controlled: Ni.
GI2111-02	24-188 Smart Phone XT2437-1, Metallic glue strip 2				7.27%	PET 80% Acrylic 20%	Main: Cu; Other: Si P Cl Ca Ni; Trace: S K Ti Cr Fe Co Sn Sb.	Reportable: Co Cu; Controlled: Ni.
GI2111-03	24-188 Smart Phone XT2437-1, Metallic glue strip 3				43.64%	PET 80% Acrylic 20%	Main: Cu; Other: Si P Cl Ca Co Ni; Trace: S K Ti Cr Fe Zn Sn Sb.	Reportable: Co Cu; Controlled: Ni.
GI2111-04	24-188 Smart Phone XT2437-1, Metallic glue strip 4				9.09%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Sn Sb.	Reportable: Co Cu Zn; Controlled: Ni.
GI2111-05	24-188 Smart Phone XT2437-1, Metallic glue strip 5				7.27%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Si Cl Co Zn; Trace: S K Ca Ti Cr Fe Sn Sb.	Reportable: Co Cu Zn; Controlled: Ni.
GI2111-06	24-188 Smart Phone XT2437-1, Metallic glue strip 6				1.82%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Sn Sb.	Reportable: 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. V6 Appendix C relevant compounds [1)]
GI2111-07	24-188 Smart Phone XT2437-1, Metallic glue strip 7				10.91%	PET 80% Acrylic 20%	Other: Si P Cl Ca Ni Cu; Trace: S K Ti Cr Fe Co Sn Sb.	Reportable: Co Cu; Controlled: Ni.
GI2111-08	24-188 Smart Phone XT2437-1, Metallic glue strip 8				7.27%	PET 80% Acrylic 20%	Main: Ni Cu; Other: Si P Cl Ca Co Zn; Trace: S K Ti Cr Fe Sn Sb.	Reportable: Co Cu Zn; Controlled: Ni.
GI2112-00	24-188 Smart Phone XT2437-1, Clear glue strip 1-5		0.243	0.12%				
GI2112-01	24-188 Smart Phone XT2437-1, Clear glue strip 1				2.88%	PET 80% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Cr Fe Ni Cu Zn Sn Sb.	
GI2112-02	24-188 Smart Phone XT2437-1, Clear glue strip 2				2.47%	PET 80% Acrylic 20%	Other: Si P Cl Ca; Trace: S K Cr Fe Co Ni Cu Zn Sb.	Reportable: Co;
GI2112-03	24-188 Smart Phone XT2437-1, Clear glue strip 3				2.47%	PET 80% Acrylic 20%	Other: Si P Cl Ca Cr Ni Cu Zn; Trace: S K Fe Sn Sb.	Reportable: Cr Cu;
GI2112-04	24-188 Smart Phone XT2437-1, Clear glue strip 4				0.41%	PET 80% Acrylic 20%	Other: Si P Cl Ca Ni; Trace: Cr Fe Cu Zn Sn Sb.	
GI2112-05	24-188 Smart Phone XT2437-1, Clear glue strip 5				91.77%	PET 80% Acrylic 20%	Other: Cl Ca; Trace: Si P S K Ti Fe Cu Zn Sb.	
GI2113-00	24-188 Smart Phone XT2437-1, Rubber parts		0.134	0.07%				
GI2113-01	24-188 Smart Phone XT2437-1, Black rubber ring 1+2				2.24%	Silicone	Other: Si P Cl Ca Cu; Trace: S K Cr Fe Ni Zn Sn.	Reportable: Si;
GI2113-02	24-188 Smart Phone XT2437-1, Clear rubber rings 1+2				1.49%	Silicone	Other: Si Cl Ca Zn; Trace: P S Cr Fe Ni Cu Sn Sb.	Reportable: Zn Si;
GI2113-03	24-188 Smart Phone XT2437-1, Black rubber part 1				2.24%	PUR 80% Acrylic 20%	Other: Si P S Cl Ca; Trace: K Cr Fe Ni Cu Zn Sn Sb.	
GI2113-04	24-188 Smart Phone XT2437-1, Blue rubber plate				38.81%	PUR	Other: Si P S Cl Ca Ti; Trace: Fe 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. V6 Appendix C relevant compounds 1)
GI2113-05	24-188 Smart Phone XT2437-1, Black rubber part 1				8.96%	Silicone 80% Acrylic 20%	Other: Si Cl Ca; Trace: P S K Ti Fe Ni Cu Zn Sn Ba.	
GI2113-06	24-188 Smart Phone XT2437-1, Black rubber seal				46.27%	PUR	Other: Si P S Cl Ca; Trace: K Cr Fe Ni Cu Zn Sn.	
GI2114-00	24-188 Smart Phone XT2437-1, Green glue strip 1-2, White glue strip 1-2, Paper strip		0.014	0.01%				
GI2114-01	24-188 Smart Phone XT2437-1, Green glue strip 1				7.14%	PET 80% Silicone 20%	Other: Si P Cl Ca Co Ni Cu Sn; Trace: S K Cr Fe Zn.	Reportable: Co Sn Si;
GI2114-02	24-188 Smart Phone XT2437-1, Green glue strip 2				64.29%	PET 80% Silicone 20%	Main: Si; Other: Cl Ca Ni Cu; Trace: P S K Cr Fe Zn Sn Sb.	Reportable: Cu Si; Controlled: Ni.
GI2114-03	24-188 Smart Phone XT2437-1, White glue strip 1				7.14%	Acrylic	Other: Si P Cl Ca Ti Ni; Trace: S K Cr Fe Cu Zn.	
GI2114-04	24-188 Smart Phone XT2437-1, White glue strip 2				14.29%	PET 80% Silicone 20%	Other: Si P Cl Ca Ti; Trace: S K Fe Ni Cu Zn Sn Sb.	
GI2114-05	24-188 Smart Phone XT2437-1, Paper strip				7.14%	PTFE	Other: Si P Cl Ca Ni Zn; Trace: S K Cr Fe Cu.	Reportable: Zn;
GI2115-00	24-188 Smart Phone XT2437-1, Copper glue strip 1-2		0.339	0.17%				
GI2115-01	24-188 Smart Phone XT2437-1, Copper glue strip 1				58.41%	Metal 80% Acrylic 20%	Main: Cu; Other: Si P S Cl K Ca Ti Cr Fe Co Ni Zn; Trace: Ga Zr Mo Sn Sb.	Reportable: Cr Fe Co Cu; Controlled: Ni.
GI2115-02	24-188 Smart Phone XT2437-1, Copper glue strip 2				41.59%	Metal 80% Acrylic 20%	Main: Cu; Other: Si P Cl Ca Cr Co Ni Zn Yb; Trace: S K Ti Fe Sn.	Reportable: Cr Co Cu; Controlled: Ni.
GI2116-00	24-188 Smart Phone XT2437-1, Black foil plate 1-2		0.008	0.00%				

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. V6 Appendix C relevant compounds [1)]
GI2116-01	24-188 Smart Phone XT2437-1, Black foil plate 1				12.50%	PET 80% PMMA 20%	Other: Si P Cl Ca Ni; Trace: S K Cr Fe Cu Zn Sn Sb.	
GI2116-02	24-188 Smart Phone XT2437-1, Black foil plate 2				87.50%	PET	Other: Si P S Cl Ca Cu Zn; Trace: Cr Fe Ni Sn Sb.	Reportable: Zn;
GI2117-00	24-188 Smart Phone XT2437-1, Black plastic part 1-2		0.428	0.22%				
GI2117-01	24-188 Smart Phone XT2437-1, Black plastic part 1				68.69%	PA	Other: Si Cl Ca Fe; Trace: P S K Ti Cr Ni Zn Sr Zr Sn Ba Pb.	Reportable: Fe Si;
GI2117-02	24-188 Smart Phone XT2437-1, Black plastic part 2				31.31%	PC	Other: Si P S Cl Ca Ti Fe; Trace: K Cr Cu Zn Sn Sb.	Reportable: Fe;
GI2118-00	24-188 Smart Phone XT2437-1, Silver screw 1+2, Black screw, Metal plate		0.893	0.45%				
GI2118-01	24-188 Smart Phone XT2437-1, Silver screw 1+2				84.43%		Main: Si P S Fe Ni Cu; Other: Al Ti V Cr Mn Co; Trace: Sn.	Reportable: Al Cr** Fe Co Cu; Controlled: Ni.
GI2118-02	24-188 Smart Phone XT2437-1, Black screw				3.70%		Main: Si P S Fe Zn; Other: Al Cr Mn Co Cu;	Reportable: Cr** Fe Co Cu Zn;
GI2118-03	24-188 Smart Phone XT2437-1, Metal plate				11.87%		Main: Si P S Cr Mn Fe Ni; Other: Al Ti V Co Cu Mo W Bi; Trace: Se Sn.	Reportable: Al Cr** Fe Co Cu W Bi; Controlled: Ni.
GI2119-00	24-188 Smart Phone XT2437-1, Black plastic frame		3.240	1.63%				
GI2119-01	24-188 Smart Phone XT2437-1, Black plastic frame, black glue stripes				0.56%	PE 80% Acrylic 20%	Other: Si P Cl Ca Fe Ni Cu Zn; Trace: S K Ti Cr Co Sn Sb.	Reportable: Fe Co Cu Zn;
GI2119-02	24-188 Smart Phone XT2437-1, Black plastic frame, Metal rings				25.52%		Main: Al Si P S; Other: V Cr Mn Fe Ni Cu Zn Ga; Trace: Co.	Reportable: Al Cr** Fe Co Cu; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2119-03	24-188 Smart Phone XT2437-1, Black plastic frame				73.92%	PC	Other: Si P Cl K Ca Ti Fe; Trace: S Zn Zr.	Reportable: Fe;
GI2120-00	24-188 Smart Phone XT2437-1, Black plastic cover 1-2		6.200	3.13%				
GI2120-01	24-188 Smart Phone XT2437-1, Black plastic cover 1, Black glue strip				0.06%	PUR 80% Acrylic 20%	Other: Si P Cl Ca Ni Cu; Trace: S Cr Fe Zn Sn Sb.	
GI2120-02	24-188 Smart Phone XT2437-1, Black plastic cover 1, Black plastic part				6.57%	PC	Main: Cr Cu; Other: Si P S Cl Ca Ti Fe Co Ni Zn Zr Sn; Trace: K Mn Mo Sb.	Reportable: Cr Fe Co Cu Zn Sn; Controlled: Ni.
GI2120-03	24-188 Smart Phone XT2437-1, Black plastic cover 1, Metal part				7.98%		Main: Cr Mn Fe Ni; Other: Al Si P S Ti V Co Cu Mo W Bi; Trace: Se Sn.	Reportable: Al Cr** Fe Co Cu W Bi; Controlled: Ni.
GI2120-04	24-188 Smart Phone XT2437-1, Black plastic cover 2, White glue strip				0.06%	PUR 80% Acrylic 20%	Other: Si Cl Ca Ni; Trace: P S Cr Fe Cu Zn Sn.	
GI2120-05	24-188 Smart Phone XT2437-1, Black plastic cover 2, Black shock pad				0.07%	PUR	Other: Si P Cl Ca Ni Cu; Trace: S K Cr Fe Zn Sn Sb.	
GI2120-06	24-188 Smart Phone XT2437-1, Black cover 2, Black glue strip 2				0.37%	PET 80% Acrylic 20%	Other: Si P Cl Ca Ti; Trace: S K Cr Fe Ni Cu Zn Sn Sb.	
GI2120-07	24-188 Smart Phone XT2437-1, Black cover 2, Black glue strip 3				0.27%	PUR 60% PET 20% Acrylic 20%	Other: Si P Cl Ca Cr Ni Cu; Trace: S K Ti Fe Zn Sn.	Reportable: Cr;
GI2120-08	24-188 Smart Phone XT2437-1, Black plastic cover 2, Metal part 2				33.32%		Main: Si Cr Mn Fe Ni; Other: Al P S Ti V Co Cu Zn Mo Bi; Trace: Se Sn.	Reportable: Al Cr Fe Co Cu Zn Bi; Controlled: Ni.
GI2120-09	24-188 Smart Phone XT2437-1, Black plastic cover 2, Black plastic part 2				45.03%	PC/PET	Main: Cr Cu; Other: Si P S Cl Ca Ti Fe Ni Zr Sn; Trace: K Mn Co Zn Mo Sb Ba.	Reportable: Cr Fe Co Cu Sn; Controlled: Ni.

Sample No	Description	Photo	Weight [g]	Relative weight Sample	Relative Weight Sub Item	Material	Results Main: >1%, Others: 100ppm - 1%, Trace: <100ppm	Motorola W18 rev. V6 Appendix C relevant compounds [1)]
GI2120-10	24-188 Smart Phone XT2437-1, Black cover 2, Black foil				4.98%	Acrylic	Main: Fe; Other: Si P S Cl Ca Cr Mn Co Ni Cu Zn Yb; Trace: K Br Rb Sn Th.	Reportable: Cr Fe Co Cu Zn; Controlled: Ni.
GI2121-00	24-188 Smart Phone XT2437-1, Blue thermal paste		0.396	0.20%		SB	Other: Al Si P Ca; Trace: S Cl Fe Ni Cu Zn Sb.	Reportable: Al;
GI2122-00	24-188 Smart Phone XT2437-1, Display assembly		18.497	9.33%				
GI2122-01	24-188 Smart Phone XT2437-1, Display assembly, Diffuser plate				26.84%	PC	Other: Ca; Trace: Si P S Cl Fe.	
GI2122-02	24-188 Smart Phone XT2437-1, Display assembly, Polarization foil 1				5.38%	PET	Other: Si P Cl Ca Cu Zr Sb; Trace: S Cr Fe Ni Sn.	Reportable: Sb;
GI2122-03	24-188 Smart Phone XT2437-1, Display assembly, Reflection foil				6.69%	PET	Other: Si P Cl K Ca Ag Sb; Trace: S Fe Ni.	Reportable: Ag Sb;
GI2122-04	24-188 Smart Phone XT2437-1, Display assembly, Diffuser foil				3.99%	PET	Other: Si P S Cl Ca Ti Fe Sb; Trace: K Ni Cu Zn Sn.	Reportable: Fe Sb;
GI2122-05	24-188 Smart Phone XT2437-1, Display assembly, Polarization foil 2				7.96%	PET	Other: Si P Ca Cu Zr Sb; Trace: S Cl Fe Ni Zn Sn.	Reportable: Sb;
GI2122-06	24-188 Smart Phone XT2437-1, Display assembly, Gray plastic frame				0.59%	PC	Other: Si P S Cl Ca Ti; Trace: K Fe Ni Zn Sn.	
GI2122-07	24-188 Smart Phone XT2437-1, Display assembly, Display metal plate				48.55%		Main: Cr Mn Fe Ni; Other: Al Si P S Ti V Co Cu Bi; Trace: Se Mo W.	Reportable: Al Cr** Fe Co Cu Bi; 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. Cd, Cr and are also REACH relevant substances

2) The concentration of DEHP/BBP/DBP/DIBP may be > 0.1% by weight in homogeneous materials where the homogenous material weighs less than 0.02 g.

* Brominated Flame Retardants (other than PBBs or PBDEs)

Selection of the samples for the colorimetric testing of CrVI is carried out according to the XRF measurement and a risk assessment.
** Sample tested for CrVI by colorimetric method.

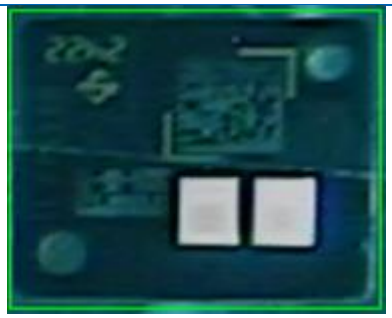
Only confirmed positive findings of materials of concern are reported – other (RoHS) substances are below detection limits for each sample. Detection limits for single samples are available on request.

4 Material Assay PWB

		Sample GI2093-12	
		Result	Uncertainty
Ag	wt. %	0.013%	0.002%
Al	wt. %	1.417%	0.241%
Au	wt. %	0.056%	0.008%
Ba	wt. %	1.816%	0.272%
Be	wt. %	0.000%	0.000%
Bi	wt. %	< 0.015%	
Br	wt. %	< 0.01%	
Ca	wt. %	2.085%	0.417%
Cd	wt. %	< 0.001%	
Co	wt. %	< 0.006%	
Cr	wt. %	0.249%	0.040%
Cu	wt. %	34.768%	5.911%
Fe	wt. %	4.277%	0.684%
Mg	wt. %	0.123%	0.018%
Mn	wt. %	0.032%	0.005%
Mo	wt. %	< 0.002%	
Ni	wt. %	2.751%	0.385%
P	wt. %	0.043%	0.007%
Pb	wt. %	< 0.003%	
Pd	wt. %	< 0.008%	
S	wt. %	0.041%	0.007%
Sb	wt. %	0.006%	0.001%
Sn	wt. %	3.797%	0.608%
Sr	wt. %	0.061%	0.010%
Ti	wt. %	0.792%	0.143%
Y	wt. %	<0.01	
Zn	wt. %	0.038%	0.005%
Substances	wt. %	52.36%	
Epoxy	wt. %	14.21%	
Ceramics	wt. %	33.43%	

5 Results EDXRF Scan

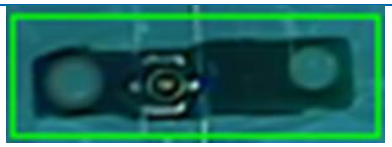
Results x,y Scan Sample GI2080-01


Bromine
Not detected
Lead
Not detected

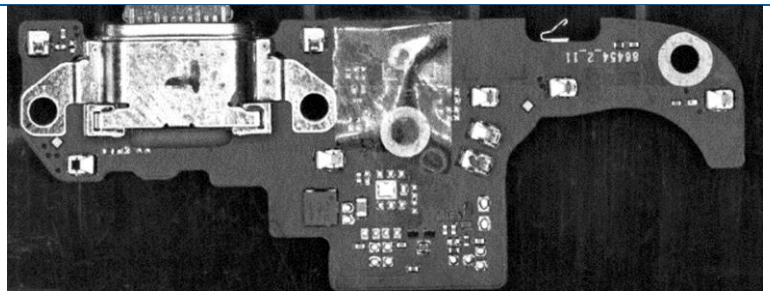
Results x,y Scan Sample GI2084-12

	
Bromine	
Not detected	Not detected
Lead	
Not detected	Not detected

Results x,y Scan Sample GI2085-00

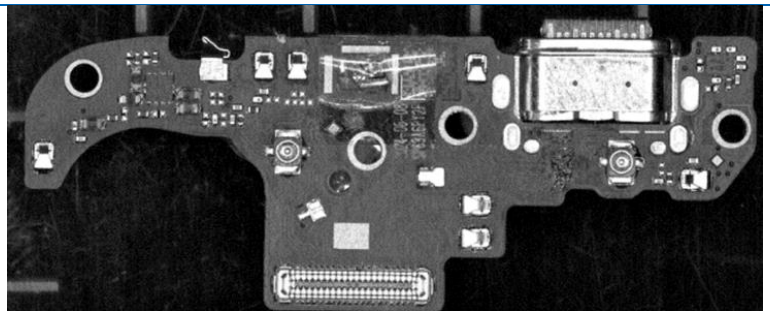
	
Bromine	
Not detected	Not detected
Lead	
Not detected	Not detected

Results x,y Scan Sample GI2086-04 Top

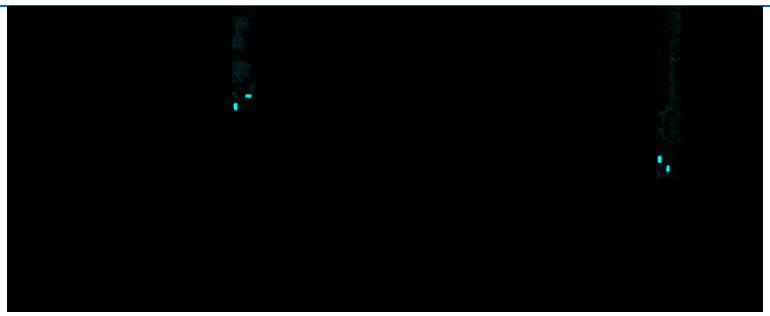


Bromine
Not detected
Lead
Not detected

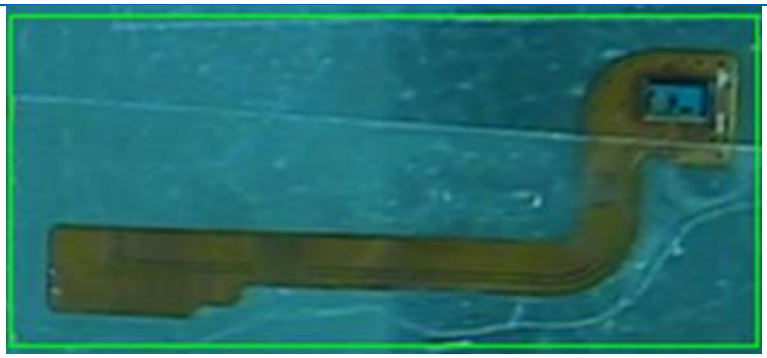
Results x,y Scan Sample GI2086-04 Bottom



Bromine
Not detected
Lead



Results x,y Scan Sample GI2088-00

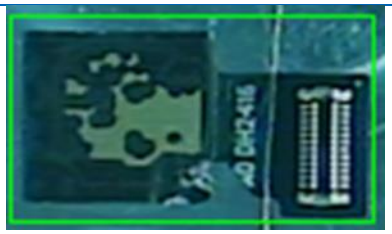


Bromine
Not detected
Lead
Not detected

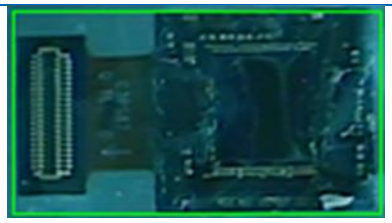
Results x,y Scan Sample GI2090-06

Bromine
Not detected
Lead
Not detected

Results x,y Scan Sample GI2091-14

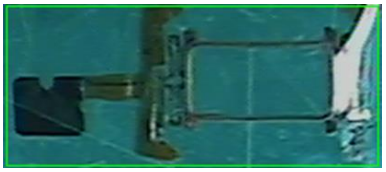
	
Bromine	
Not detected	Not detected
Lead	
Not detected	Not detected

Results x,y Scan Sample GI2092-17



Bromine
Not detected
Lead
Not detected

Results x,y Scan Sample GI2080-01

	
Bromine	
Not detected	Not detected
Lead	
Not detected	Not detected

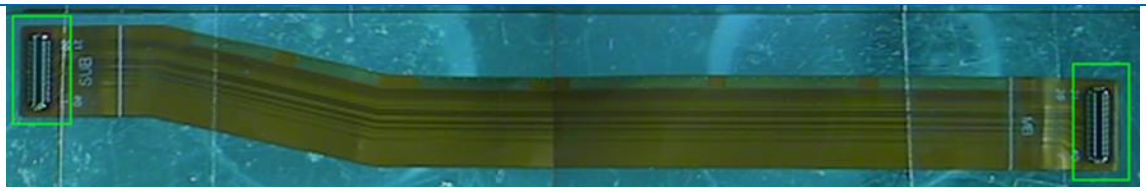
Results x,y Scan Sample GI2095-01 Top

Bromine
Not detected
Lead

Results x,y Scan Sample GI2095-01 Bottom

Bromine
Not detected
Lead
Not detected

Results x,y Scan Sample GI2099-00

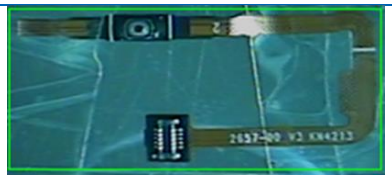


Bromine
Not detected
Lead
Not detected

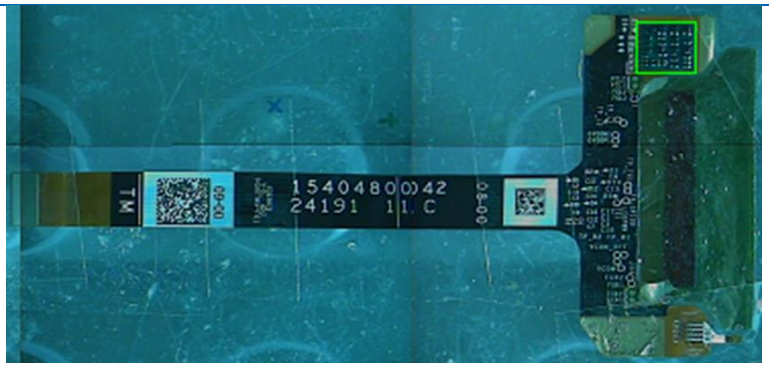
Results x,y Scan Sample GI2100-00

Bromine
Not detected
Lead
Not detected

Results x,y Scan Sample GI2101-00


Bromine
Not detected
Lead
Not detected

Results x,y Scan Sample GI2103-00 Top



Bromine
Not detected
Lead

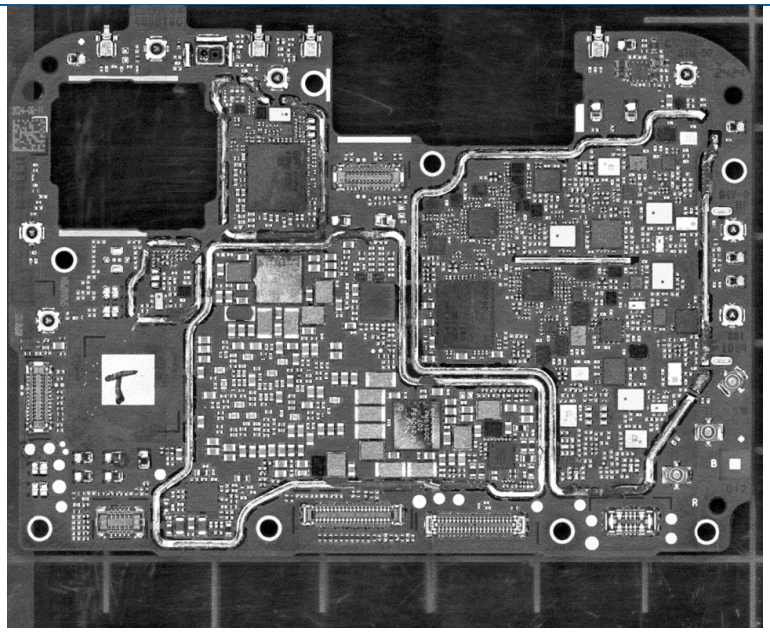
Results x,y Scan Sample GI2103-00 Bottom

Bromine
Not detected
Lead
Not detected

Results x,y Scan Sample GI2104-00

Bromine
Not detected
Lead
Not detected

Results x,y Scan Sample GI2093-12 Top

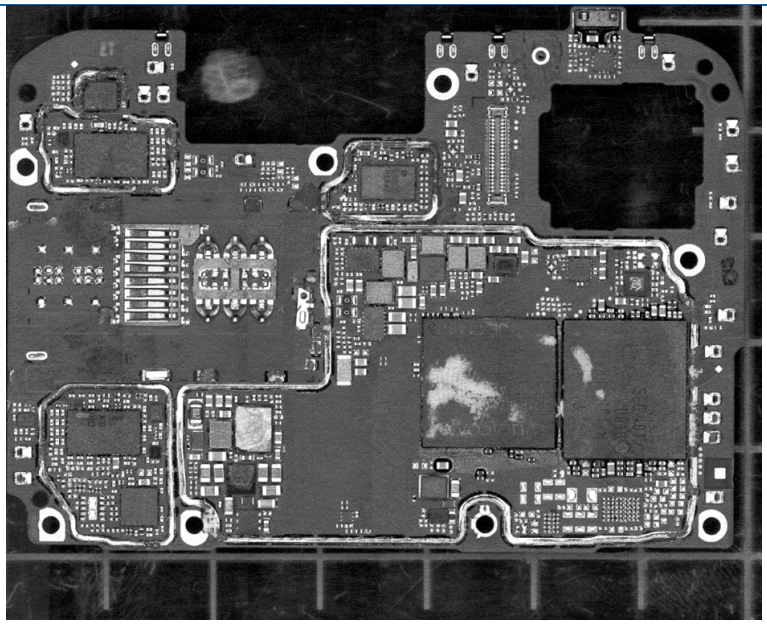


Bromine

Not detected

Lead

Results x,y Scan Sample GI2093-12 Bottom



Bromine

Not detected

Lead

6 Summary REACH 1907/2006/EC screening results

According to §33 Reach information needs to be provided within the supply chain if the concentration of a SVHC substance calculated for the article is higher than 0.1 %. The table below summarizes the organic substances detected with concentrations > 0.1% calculated for the articles according to SVHC substance list dated January 23th, 2024, Annex XIV List dated April 08th, 2022 and Annex XVII List dated December 12th, 2023.

Samples summarized in Chapter 8 were selected based on a risk assessment. The samples were investigated for selected organic parameters as listed in Chapters 6.2 and 6.3. 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 6.2. and 6.3. For the speciation of these substances, further testing could be required.

6.1 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 Annex XIV Substance Detected	REACH Annex XVII Substance Detected*	Substance Concentration in Fraction (% w/w) [1]	Substance concentration in article (% w/w) [2]	SVHC > 0.1% Reporting required?[2] (Y/N/ Risk)
Smart Phone XT2437-1	GJ1205	4-tert-butylphenol[3]	-	-	0.003	< 0.001	**N**
	GJ1206	-	-	-	-	-	**N**
	GJ1207	-	-	-	-	-	**N**
	GJ1208	Octamethyl-cyclotetrasiloxane (D4)	-	Octamethyl-cyclotetrasiloxane (D4) (Entry 70)	0.002	< 0.001	**N**
		Decamethyl-cyclopentasiloxane (D5)	-	Decamethyl-cyclopentasiloxane (D5) (Entry 70)	0.014	< 0.001	**N**
		Dodecamethyl-cyclohexasiloxane (D6)	-	-	0.009	< 0.001	**N**
	GJ1209	-	-	-	-	-	**N**
	GJ1210	-	-	-	-	-	**N**
	GJ1211	-	-	Cyclohexane (Entry 57)	0.001	< 0.001	**N/A**
		-	-	Toluene (Entry 48)	0.001	< 0.001	**N/A**
		4-tert-butylphenol[3]	-	-	0.003	< 0.001	**N**
	GJ1212	-	-	-	-	-	**N**

Article	Sample Number	REACH SVHC Substance Detected	REACH Annex XIV Substance Detected	REACH Annex XVII Substance Detected*	Substance Concentration in Fraction (% w/w) [1]	Substance concentration in article (% w/w) [2]	SVHC > 0.1% Reporting required?[2] (Y/N/ Risk)
Smart Phone XT2437-1	GJ1213	-	-	-	-	-	N
	GJ1214	-	-	-	-	-	N
	GJ1215	N,N-Dimethylformamide	-	N,N-Dimethylformamide (Entry 72)	0.001	< 0.001	N
	GJ1216	-	-	-	-	-	N
	GJ1217	-	-	-	-	-	N
	GJ1218	Decamethyl-cyclopentasiloxane (D5)	-	Decamethyl-cyclopentasiloxane (D5) (Entry 70)	0.001	< 0.001	N
		Dodecamethyl-cyclohexasiloxane (D6)	-	-	0.002	< 0.001	N
		4-tert-butylphenol[3]	-	-	0.022	0.002	N
	GJ1219	-	-	-	-	-	N
	GJ1220	-	-	-	-	-	N
	GJ1221	Furan	-	Furan (Entry 28)	0.001	< 0.001	N
		4-tert-butylphenol[3]	-	-	0.002	< 0.001	N
	GJ1222	-	-	-	-	-	N

Article	Sample Number	REACH SVHC Substance Detected	REACH Annex XIV Substance Detected	REACH Annex XVII Substance Detected*	Substance Concentration in Fraction (% w/w) [1]	Substance concentration in article (% w/w) [2]	SVHC > 0.1% Reporting required?[2] (Y/N/ Risk)
Smart Phone XT2437-1	GJ1223	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	-	-	0.003	< 0.001	N
	GJ1224	Dodecamethyl-cyclohexasiloxane (D6)	-	-	0.001	< 0.001	N
	GJ1225	Dodecamethyl-cyclohexasiloxane (D6)	-	-	0.001	< 0.001	N
		1,3-Propanesultone	-	1,3-Propanesultone (Entry 28)	0.081	< 0.001	N
	GJ1226	Dodecamethyl-cyclohexasiloxane (D6)	-	-	0.001	< 0.001	N
		1,3-Propanesultone	-	1,3-Propanesultone (Entry 28)	0.068	< 0.001	N
	GJ1227	4-tert-butylphenol[3]	-	-	0.038	0.001	N
	GJ1228	-	-	-	-	-	N
	GJ1229	-	-	-	-	-	N
	GJ1230	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.003	< 0.001	N
	GJ1231	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.006	< 0.001	N
	GJ1232	4-tert-butylphenol[3]	-	-	0.003	< 0.001	N
		2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	-	-	0.003	< 0.001	N

[1] For the composition of fractions please refer to Chapter 8. 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.
[3)] Depending on the manufacturing process of 4-tert-butylphenol a certain ratio of 3-tert-butylphenol may also be present
NA: Not applicable
* 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

6.2 List of SVHC and Annex XIV substances

Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol[1)]	
2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one[1)]	Bumetrizole (UV-326)
2,4,6-tri-tert-butylphenol	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)
Bis(4-chlorophenyl) sulphone	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide[1)]
Perfluoroheptanoic acid and its salts	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine[1)]
Isobutyl 4-hydroxybenzoate (4-Isobutylparaben)[1)]	Melamine[1)]
Barium diboron tetraoxide[1)]	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA)	4,4'-sulphonyldiphenol (Bisphenol S) [1)]
N-(hydroxymethyl)acrylamide[1)]	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]
S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate[1)]	Tris(2-methoxyethoxy)vinylsilane
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)[1)]	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol
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[1)]	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[1)]	Dibutylbis(pentane-2,4-dionato-O,O')tin[2)]
1-vinylimidazole[1)]	2-methylimidazole[1)]
Perfluorobutane sulfonic acid (PFBS) and its salts	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) 9)]
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
4,4'-isopropylidenediphenol (BPA)	4-heptylphenol, branched and linear
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	Nonadecafluorodecanoic acid
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	Perfluorononan-1-oic-acid
Sodium salts of perfluorononan-1-oic-acid	Ammonium salts of perfluorononan-1-oic-acid
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)	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	Heptacosafluorotetradecanoic acid
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	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	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-	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic

ylidene] dimethylammonium chloride (C.I. Basic Blue 26)[1)]	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[1)]	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[1)]	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)[1)]*	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 reasons of overlapping retention ranges, a differentiation between short and medium is only partially possible. Additionally, the signal peak in the gas chromatogram has no ideal gaussian shape. The resulting measurement uncertainty can lead to higher deviations between concentrations of the samples
[9)]TNPP are indicator peaks. A definite identification is only possible via further chemical analysis.
* Substance also included in Annex XIV of REACH (“Authorisation List”)

6.3 List of REACH Annex XVII substances

77. Formaldehyde and formaldehyde releasers[1)]	**78.** Synthetic polymer microparticles[2)]
75. (a) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008 [2)] (b) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council [2)] (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. [2)]	**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) [2)]	**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 [2) 6)]
69. Methanol [2)]	**70.** Octamethylcyclotetrasiloxane (D4) [2)] Decamethylcyclopentasiloxane (D5) [2)]
67. Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) [8)]	**68.** C9-C14 linear and/or branched perfluorocarboxylic acids (C9-C14 PFCAs), their salts and C9-C14 PFCAs-related substances, perfluorononan-1-oic acid (PFNA); nonadecafluorodecanoic acid (PFDA); henicosafluoroundecanoic acid (PFUnDA); tricosafluorododecanoic acid (PFDoDA); pentacosafluorotridecanoic acid (PFTrDA); heptacosafluorotetradecanoic acid (PFTDA); including their salts and precursors
65. Inorganic ammonium salts [2)]	**66.** 4,4'-isopropylidenediphenol (Bisphenol A) [2)]
63. Lead and its compounds [2) 3)]	**64.** 1,4-Dichlorobenzene [2)]
61. Dimethylfumarate (DMF)	**62.** Phenylmercury neodecanoate[3)] Phenylmercury octanoate[3)] Phenylmercury propionate[3)] Phenylmercury acetate[3)] Phenylmercury 2-ethylhexanoate[3)]
59. Dichloromethane [2)]	**60.** Acrylamide [2)]
57. Cyclohexane	**58.** Ammonium nitrate (AN) [2)]
55. 2-(2-butoxyethoxy)ethanol (DEGBE)[2)]	**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) [2)] (b) Di-'isodecyl' phthalate (DIDP) [2)] (c) Di-n-octyl phthalate (DNOP) [2)] (d) 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich [2)] (e) 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich [2)]	**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)	**51.** (a) Bis (2-ethylhexyl) phthalate (DEHP) [2)] (b) Dibutyl phthalate (DBP) [2)] (c) Benzyl butyl phthalate (BBP) [2)]

(g) Benzo[k]fluoranthene (BkFA) (h) Dibenzo[a,h]anthracene (DBAhA)	
48. Toluene	**49.** Trichlorobenzene
	47. Chromium VI compounds [2]
46. (a) Nonylphenol [2) 6)] (b) Nonylphenol ethoxylates [2) 6)]	**46a.** Nonylphenol ethoxylates [2) 6)]
43. Azocolourants and Azodyes [2) 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.[2)]	**41.** Hexachloroethane[2)]
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 [2)] (b) Creosote oil; wash oil [2)] (c) Distillates (coal tar), naphthalene oils; naphthalene oil [2)] (d) Creosote oil, acenaphthene fraction; wash oil [2)] (e) Distillates (coal tar), upper; heavy anthracene oil [2)] (f) Anthracene oil [2)] (g) Tar acids, coal, crude; crude phenols [2)] (h) Creosote, wood [2)] (i) Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline [2)]
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 [1) 3)]	**27.** Nickel and ist compounds[3)]
24. Monomethyl — tetrachlorodiphenyl methane Trade name: Ugilec 141 [1) 3)]	**25.** Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121 [1) 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 [2) 3)]	**19.** Arsenic compounds [2) 3)]
17. Lead sulphates [3)]: (a) $PbSO_4$ (b) Pb_xSO_4	**18.** Mercury compounds [2) 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[2)]: (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 [2] (b) Powder of the roots of Helleborus viridis and Helleborus niger [2] (c) Powder of the roots of Veratrum album and Veratrum nigrum [2] (d) Benzidine and/or its derivatives [2] (e) o-Nitrobenzaldehyde C [2] (f) Wood powder [2]	**10.** (a) Ammonium sulphide [2] (b) Ammonium hydrogen sulphide [2] (c) Ammonium polysulphide [2]
7. Tris(aziridinyl)phosphinoxide [2] [6]	**8.** Polybromobiphenyls; Polybrominatedbiphenyls (PBB)[2] [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 11)/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[2]	**4.** Tris (2,3 dibromopropyl) phosphate [2] [6]
1. Polychlorinated terphenyls (PCTs)[3] [7]	**2.** Chloroethene (vinyl chloride)[2]

[1] Not tested
[2] N/A the restriction does not apply to this article
[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
[8] See Chapter " Global Compliance Acceptance Criteria (banned and controlled Substances)"
[9] Regulation (EU) No 2020/2096: entries 22 and 67 have been deleted (more severe restrictions are laid down for those substances in Regulation (EU) 2019/1021 POP)

7 Test Results PAH

PAK / PAH*	GJ1205
Benz[a]anthracene (µg/g)	ND
Chrysene (µg/g)	ND
Benzo[b]fluoranthene (µg/g)	ND
Benzo[k]fluoranthene (µg/g)	ND
Benzo[j]fluoranthene (µg/g)	ND
Benzo[e]pyrene (µg/g)	ND
Benzo[a]pyrene (µg/g)	ND
Dibenz[a,h]anthracene (µg/g)	ND
1907/2006/EC REACH Annex XVII Entry 50	**Pass**

ND: Nicht nachgewiesen / Not detected
Nachweisgrenze für alle Substanzen / Limit of Detection for all substances 0.5 mg/kg
* REACH SVHC screening results.

8 Composition of fraction samples

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	8.01	GJ1205	GI2083-00	24-188 Smart Phone XT2437-1, Backside cover	4.04%	8.01

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	2.30	GJ1206	GI2093-05	24-188 Smart Phone XT2437-1, Main PWB, Black glue strip	0.21%	0.41
				GI2107-07	24-188 Smart Phone XT2437-1, Black glue strips 7	0.33%	0.65
				GI2107-10	24-188 Smart Phone XT2437-1, Black glue strips 10	0.62%	1.23

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.19	GJ1207	GI2107-09	24-188 Smart Phone XT2437-1, Black glue strips 9	0.03%	0.06
				GI2107-12	24-188 Smart Phone XT2437-1, Black glue strips 12	0.04%	0.07
				GI2107-14	24-188 Smart Phone XT2437-1, Black glue strips 14	0.03%	0.05

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.08	GJ1208	GI2106-06	24-188 Smart Phone XT2437-1, Black shock pad 6	0.01%	0.02
				GI2107-02	24-188 Smart Phone XT2437-1, Black glue strips 2	0.02%	0.03
				GI2120-06	24-188 Smart Phone XT2437-1, Black cover 2, Black glue strip 2	0.01%	0.02

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	1.30	GJ1209	GI2106-01	24-188 Smart Phone XT2437-1, Black shock pad 1	0.55%	1.09
				GI2106-02	24-188 Smart Phone XT2437-1, Black shock pad 2	0.08%	0.15
				GI2106-12	24-188 Smart Phone XT2437-1, Black shock pad 12	0.03%	0.06

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.09	GJ1210	GI2102-05	24-188 Smart Phone XT2437-1, Metal housing, Black shock pad 1	0.01%	0.03
				GI2106-05	24-188 Smart Phone XT2437-1, Black shock pad 5	0.01%	0.03
				GI2106-07	24-188 Smart Phone XT2437-1, Black shock pad 7	0.01%	0.03

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	1.45	GJ1211	GI2105-01	24-188 Smart Phone XT2437-1, Display, Back foil 1	0.24%	0.47
				GI2105-02	24-188 Smart Phone XT2437-1, Display, Back foil 2	0.34%	0.67
				GI2120-10	24-188 Smart Phone XT2437-1, Black cover 2, Black foil	0.16%	0.31

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.74	GJ1212	GI2093-11	24-188 Smart Phone XT2437-1, Main PWB, Blue thermal paste	0.18%	0.35
				GI2121-00	24-188 Smart Phone XT2437-1, Blue thermal paste	0.20%	0.40

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.73	GJ1213	GI2109-01	24-188 Smart Phone XT2437-1, Black glue 1	0.23%	0.45
				GI2109-03	24-188 Smart Phone XT2437-1, Black glue 3	0.01%	0.03
				GI2109-04	24-188 Smart Phone XT2437-1, Black glue 4	0.13%	0.25

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.25	GJ1214	GI2084-10	24-188 Smart Phone XT2437-1, Bottom speaker, Clear glue	0.01%	0.03
				GI2112-05	24-188 Smart Phone XT2437-1, Clear glue strip 5	0.11%	0.22

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.06	GJ1215	GI2110-05	24-188 Smart Phone XT2437-1, Metallic shock pad 5	0.03%	0.06

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.14	GJ1216	GI2096-07	24-188 Smart Phone XT2437-1, White connection cable, Inner cable jacket	0.03%	0.06
				GI2097-06	24-188 Smart Phone XT2437-1, Red connection cable, White inner cable	0.02%	0.04
				GI2098-06	24-188 Smart Phone XT2437-1, Black connection cable, White inner cable	0.02%	0.04

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.14	GJ1217	GI2093-06	24-188 Smart Phone XT2437-1, Main PWB, Black rubber part	0.01%	0.03
				GI2113-04	24-188 Smart Phone XT2437-1, Blue rubber plate	0.03%	0.05
				GI2113-06	24-188 Smart Phone XT2437-1, Black rubber seal	0.03%	0.06

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.06	GJ1218	GI2097-04	24-188 Smart Phone XT2437-1, Red connection cable, Red outer cable	0.02%	0.03
				GI2098-04	24-188 Smart Phone XT2437-1, Black connection cable, Black outer cable	0.01%	0.03

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	16.12	GJ1219	GI2084-02	24-188 Smart Phone XT2437-1, Bottom speaker, Black plastic part	0.37%	0.74
				GI2102-02	24-188 Smart Phone XT2437-1, Metal housing, Black plastic part 1	4.94%	9.79
				GI2119-03	24-188 Smart Phone XT2437-1, Black plastic frame	1.21%	2.39
				GI2120-02	24-188 Smart Phone XT2437-1, Black plastic cover 1, Black plastic part	0.21%	0.41
				GI2120-09	24-188 Smart Phone XT2437-1, Black plastic cover 2, Black plastic part 2	1.41%	2.79

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	3.95	GJ1220	GI2095-08	24-188 Smart Phone XT2437-1, Battery, White foil	1.99%	3.95

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	41.24	GJ1221	GI2095-16	24-188 Smart Phone XT2437-1, Battery, Carbon coating	20.80%	41.24

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	3.47	GJ1222	GI2095-05	24-188 Smart Phone XT2437-1, Battery, Outer cover	1.75%	3.47

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.25	GJ1223	GI2095-02	24-188 Smart Phone XT2437-1, Battery, Black glue strips	0.11%	0.21
				GI2095-03	24-188 Smart Phone XT2437-1, Battery, Black shock pad	0.02%	0.04

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.09	GJ1224	GI2095-04	24-188 Smart Phone XT2437-1, Battery, White glue strip	0.01%	0.02
				GI2095-13	24-188 Smart Phone XT2437-1, Battery, Blue glue strips	0.03%	0.06

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.15	GJ1225	GI2095-09	24-188 Smart Phone XT2437-1, Battery, Green glue strips 1	0.05%	0.11
				GI2095-10	24-188 Smart Phone XT2437-1, Battery, Green glue strips 2	0.02%	0.04

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.15	GJ1226	GI2095-11	24-188 Smart Phone XT2437-1, Battery, Green glue strips 3	0.06%	0.11
				GI2095-12	24-188 Smart Phone XT2437-1, Battery, Green glue strips 4	0.02%	0.04

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	5.08	GJ1227	GI2122-01	24-188 Smart Phone XT2437-1, Display assembly, Diffuser plate	2.50%	4.97
				GI2122-06	24-188 Smart Phone XT2437-1, Display assembly, Gray plastic frame	0.06%	0.11

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	2.47	GJ1228	GI2122-02	24-188 Smart Phone XT2437-1, Display assembly, Polarization foil 1	0.50%	1.00
				GI2122-05	24-188 Smart Phone XT2437-1, Display assembly, Polarization foil 2	0.74%	1.47

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	1.98	GJ1229	GI2122-03	24-188 Smart Phone XT2437-1, Display assembly, Reflection foil	0.62%	1.24
				GI2122-04	24-188 Smart Phone XT2437-1, Display assembly, Diffuser foil	0.37%	0.74

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	10.04	GJ1230	GI2093-12	24-188 Smart Phone XT2437-1, Main PWB	5.06%	10.04

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	0.91	GJ1231	GI2095-01	24-188 Smart Phone XT2437-1, Battery, Flex	0.46%	0.91

Article	Total Weight article [g]	Fraction weight [g]	Fraction Sample No.	Initial Sample No.	Description	Relative Weight in Article	Sample weight [g]
Smart Phone XT2437-1	198.31	4.23	GJ1232	GI2080-01	24-188 Smart Phone XT2437-1, Flashlight PWB	0.13%	0.26
				GI2084-12	24-188 Smart Phone XT2437-1, Bottom speaker, Flex	0.06%	0.13
				GI2086-04	24-188 Smart Phone XT2437-1, SUB PWB	0.66%	1.30
				GI2090-06	24-188 Smart Phone XT2437-1, Front camera, Flex	0.06%	0.12
				GI2091-14	24-188 Smart Phone XT2437-1, Rear camera 1, Flex	0.06%	0.13
				GI2092-17	24-188 Smart Phone XT2437-1, Rear camera 2, Flex	0.23%	0.45
				GI2099-00	24-188 Smart Phone XT2437-1, Connection flex	0.29%	0.58
				GI2100-00	24-188 Smart Phone XT2437-1, Volume button flex	0.07%	0.13
				GI2101-00	24-188 Smart Phone XT2437-1, Power button flex	0.12%	0.24
				GI2103-00	24-188 Smart Phone XT2437-1, Display connection flex	0.45%	0.89

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