

VDE Testing and Certification Institute • Merianstr. 28 • 63069 Offenbach • Germany

Date: May 5th, 2025
From: Dr. Michael Riess, VDE
To: Motorola/Lenovo

Subject: **Recyclability and Recoverability Report by VDE Testing and Certification Institute**

XT2527 Series

Description of Methodology

The calculation is based on a disassembly assessment of the product. The disassembly is done down to the level of “functional units” similar to what is done in recycling facilities. Based on Material Assessment data the composition of each functional unit is evaluated regarding compatibility of the overall material composition of the functional unit with material fractions, similar to the requirements of the European WEEE directive 2012/19/EU.

The functional unit material compatibility assessment allows the calculation of the recyclability and recoverability¹⁾. Formulas for calculation:

$$\text{recyclability} = \sum(\text{mass of recyclable product fractions/materials}) \div (\text{total mass of product}) \times 100$$

$$\text{recoverability} = \sum(\text{mass of recyclable product fractions/materials} + \text{mass of further serving useful purpose product material-mixes}) \div (\text{total mass of product}) \times 100$$

¹⁾ Percentage of materials that are compatible with materials recycling processes or that can go into energy recovery process

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	Dr. Michael Riess	

Annex

Based on Testreport-328005-TL-1 the product achieves a recycling quote of 70.33 % and a recovery quote of 80.36 %.

Required Records:

1. Total weight of mobile phone (with Battery): 182.923 g = 0.403 lbs
2. Fraction Assessment for recycling:

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Aluminum	GR2242-00	25-046 Motorola, Smart phone Model XT2527, Metal rings	0,646	0,646	100%	YES	
Battery	GR2209-00	25-046 Motorola, Smart phone Model XT2527, Battery	64,443	64,443	100%	YES	
Copper Alloy	GR2228-02	25-046 Motorola, Smart phone Model XT2527, Display foils, Copper foil	4,563	4,563	100%	YES	
Copper Alloy	GR2260-00	25-046 Motorola, Smart phone Model XT2527, Copper glue strip	0,155	0,155	100%	YES	
Ferrous Alloy	GR2217-00	25-046 Motorola, Smart phone Model XT2527, Black screws	0,751	0,751	100%	YES	
Ferrous Alloy	GR2235-00	25-046 Motorola, Smart phone Model XT2527, Silver screw	0,031	0,031	100%	YES	
Ferrous Alloy	GR2241-00	25-046 Motorola, Smart phone Model XT2527, Metal plate	0,209	0,209	100%	YES	
Glass	GR2229-00	25-046 Motorola, Smart phone Model XT2527, Display Front glass	19,150	19,150	100%	YES	
Glass	GR2234-01	25-046 Motorola, Smart phone Model XT2527, Glass cover 1	0,173	0,173	100%	YES	
Glass	GR2234-02	25-046 Motorola, Smart phone Model XT2527, Glass cover 2	0,235	0,235	100%	YES	
Glass	GR2234-03	25-046 Motorola, Smart phone Model XT2527, Glass cover 3	0,157	0,157	100%	YES	
Glass	GR2234-04	25-046 Motorola, Smart phone Model XT2527, Glass cover 4	0,157	0,157	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Non recyclable	GR2208-00	25-046 Motorola, Smart phone Model XT2527, Backside cover	11,252	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2211-00	25-046 Motorola, Smart phone Model XT2527, Black soft plastic parts 1+2	0,011	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2212-10	25-046 Motorola, Smart phone Model XT2527, Black glue 10	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2213-01	25-046 Motorola, Smart phone Model XT2527, Black glue strip 1	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2213-02	25-046 Motorola, Smart phone Model XT2527, Black glue strip 2	0,103	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2213-03	25-046 Motorola, Smart phone Model XT2527, Black glue strip 3	0,004	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2213-04	25-046 Motorola, Smart phone Model XT2527, Black glue strip 4	0,805	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2213-05	25-046 Motorola, Smart phone Model XT2527, Black glue strip 5	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2213-06	25-046 Motorola, Smart phone Model XT2527, Black glue strip 6	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2213-07	25-046 Motorola, Smart phone Model XT2527, Black glue strip 7	0,940	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2215-00	25-046 Motorola, Smart phone Model XT2527, Black plastic net	0,023	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2216-00	25-046 Motorola, Smart phone Model XT2527, Black plastic pin	0,005	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-01	25-046 Motorola, Smart phone Model XT2527, Black shock pad 1	0,953	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-02	25-046 Motorola, Smart phone Model XT2527, Black shock pad 2	0,007	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-03	25-046 Motorola, Smart phone Model XT2527, Black shock pad 3	0,002	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-04	25-046 Motorola, Smart phone Model XT2527, Black shock pad 4	0,029	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-05	25-046 Motorola, Smart phone Model XT2527, Black shock pad 5	0,033	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-06	25-046 Motorola, Smart phone Model XT2527, Black shock pad 6	0,032	0	0%	NO	Material Mix more than 5% differing materials

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Non recyclable	GR2219-07	25-046 Motorola, Smart phone Model XT2527, Black shock pad 7	0,014	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-08	25-046 Motorola, Smart phone Model XT2527, Black shock pad 8	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-09	25-046 Motorola, Smart phone Model XT2527, Black shock pad 9	0,007	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-10	25-046 Motorola, Smart phone Model XT2527, Black shock pad 10	0,167	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-11	25-046 Motorola, Smart phone Model XT2527, Black shock pad 11	0,013	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-12	25-046 Motorola, Smart phone Model XT2527, Black shock pad 12	0,004	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2219-13	25-046 Motorola, Smart phone Model XT2527, Black shock pad 13	0,022	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2222-00	25-046 Motorola, Smart phone Model XT2527, Blue plastic frame	0,055	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2223-00	25-046 Motorola, Smart phone Model XT2527, Bottom plastic cover	0,846	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2225-01	25-046 Motorola, Smart phone Model XT2527, Clear glue strip 1	0,077	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2225-02	25-046 Motorola, Smart phone Model XT2527, Clear glue strip 2	0,060	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2228-01	25-046 Motorola, Smart phone Model XT2527, Display foil	2,107	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2230-00	25-046 Motorola, Smart phone Model XT2527, Filter	0,015	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2236-01	25-046 Motorola, Smart phone Model XT2527, Label 1	0,005	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2236-02	25-046 Motorola, Smart phone Model XT2527, Label 2	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2236-03	25-046 Motorola, Smart phone Model XT2527, Label 3	0,006	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2236-04	25-046 Motorola, Smart phone Model XT2527, Label 4	0,002	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2236-05	25-046 Motorola, Smart phone Model XT2527, Label 5	0,007	0	0%	NO	Material Mix more than 5% differing materials

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Non recyclable	GR2240-00	25-046 Motorola, Smart phone Model XT2527, Metal housing	35,500	0	0%	NO	Material Mix more than 5% differing materials, Lead
Non recyclable	GR2243-01	25-046 Motorola, Smart phone Model XT2527, Metallic foam pad 1	0,008	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2243-02	25-046 Motorola, Smart phone Model XT2527, Metallic foam pad 2	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2243-03	25-046 Motorola, Smart phone Model XT2527, Metallic foam pad 3	0,002	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2244-00	25-046 Motorola, Smart phone Model XT2527, Metallic foil, Graphite foil	0,042	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2245-01	25-046 Motorola, Smart phone Model XT2527, Metallic glue strip 1	0,010	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2245-02	25-046 Motorola, Smart phone Model XT2527, Metallic glue strip 2	0,012	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2245-03	25-046 Motorola, Smart phone Model XT2527, Metallic glue strip 3	0,013	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2245-04	25-046 Motorola, Smart phone Model XT2527, Metallic glue strip 4	0,012	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2246-01	25-046 Motorola, Smart phone Model XT2527, Metallic shock pads 1	0,011	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2246-02	25-046 Motorola, Smart phone Model XT2527, Metallic shock pads 2	0,042	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2246-03	25-046 Motorola, Smart phone Model XT2527, Metallic shock pad 3	0,011	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2246-04	25-046 Motorola, Smart phone Model XT2527, Metallic shock pad 4	0,013	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2246-05	25-046 Motorola, Smart phone Model XT2527, Metallic shock pad 5	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2252-00	25-046 Motorola, Smart phone Model XT2527, SIM Card holder	0,421	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2254-00	25-046 Motorola, Smart phone Model XT2527, Thermal paste 1+2	0,423	0	0%	NO	Non remelttable
Non recyclable	GR2259-00	25-046 Motorola, Smart phone Model XT2527, White glue strip	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2261-00	25-046 Motorola, Smart phone Model XT2527, Blue glue	0,011	0	0%	NO	Non remelttable

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Non recyclable	GR2262-00	25-046 Motorola, Smart phone Model XT2527, Volumen button	0,077	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GR2263-00	25-046 Motorola, Smart phone Model XT2527, Power button	0,038	0	0%	NO	Material Mix more than 5% differing materials
PWB and mixed Electronics	GR2209-17	25-046 Motorola, Smart phone Model XT2527, Battery, Flexgrid	0,842	0,842	100%	YES	
PWB and mixed Electronics	GR2210-00	25-046 Motorola, Smart phone Model XT2527, Black cable	0,243	0,243	100%	YES	
PWB and mixed Electronics	GR2221-00	25-046 Motorola, Smart phone Model XT2527, Blue cable	0,185	0,185	100%	YES	
PWB and mixed Electronics	GR2224-00	25-046 Motorola, Smart phone Model XT2527, Bottom speaker	2,885	2,885	100%	YES	
PWB and mixed Electronics	GR2226-00	25-046 Motorola, Smart phone Model XT2527, Connection flex	0,792	0,792	100%	YES	
PWB and mixed Electronics	GR2227-00	25-046 Motorola, Smart phone Model XT2527, Display flex	1,285	1,285	100%	YES	
PWB and mixed Electronics	GR2231-00	25-046 Motorola, Smart phone Model XT2527, Fingerprint sensor	0,180	0,180	100%	YES	
PWB and mixed Electronics	GR2232-00	25-046 Motorola, Smart phone Model XT2527, Flashlight PWB	0,259	0,259	100%	YES	
PWB and mixed Electronics	GR2233-00	25-046 Motorola, Smart phone Model XT2527, Front camera	0,284	0,284	100%	YES	
PWB and mixed Electronics	GR2238-00	25-046 Motorola, Smart phone Model XT2527, Light sensor	0,249	0,249	100%	YES	
PWB and mixed Electronics	GR2239-00	25-046 Motorola, Smart phone Model XT2527, Main PWB	15,559	15,559	100%	YES	
PWB and mixed Electronics	GR2247-00	25-046 Motorola, Smart phone Model XT2527, NFC flex	0,527	0,527	100%	YES	
PWB and mixed Electronics	GR2248-00	25-046 Motorola, Smart phone Model XT2527, Power/Volume button flex	0,215	0,215	100%	YES	
PWB and mixed Electronics	GR2249-00	25-046 Motorola, Smart phone Model XT2527, PWB	0,057	0,057	100%	YES	
PWB and mixed Electronics	GR2250-00	25-046 Motorola, Smart phone Model XT2527, Rear camera 1	1,584	1,584	100%	YES	
PWB and mixed Electronics	GR2251-00	25-046 Motorola, Smart phone Model XT2527, Rear camera 2	0,565	0,565	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
PWB and mixed Electronics	GR2253-00	25-046 Motorola, Smart phone Model XT2527, SUB PWB	1,463	1,463	100%	YES	
PWB and mixed Electronics	GR2256-00	25-046 Motorola, Smart phone Model XT2527, Top speaker	0,968	0,968	100%	YES	
PWB and mixed Electronics	GR2257-00	25-046 Motorola, Smart phone Model XT2527, Vibra cell	0,914	0,914	100%	YES	
PWB and mixed Electronics	GR2258-00	25-046 Motorola, Smart phone Model XT2527, White cable	0,177	0,177	100%	YES	
Recyclable Plastic	GR2212-01	25-046 Motorola, Smart phone Model XT2527, Black glue 1	0,141	0,141	100%	YES	
Recyclable Plastic	GR2212-02	25-046 Motorola, Smart phone Model XT2527, Black glue 2	0,007	0,007	100%	YES	
Recyclable Plastic	GR2212-03	25-046 Motorola, Smart phone Model XT2527, Black glue 3	0,009	0,009	100%	YES	
Recyclable Plastic	GR2212-04	25-046 Motorola, Smart phone Model XT2527, Black glue 4	0,011	0,011	100%	YES	
Recyclable Plastic	GR2212-05	25-046 Motorola, Smart phone Model XT2527, Black glue 5	0,011	0,011	100%	YES	
Recyclable Plastic	GR2212-06	25-046 Motorola, Smart phone Model XT2527, Black glue 6	0,007	0,007	100%	YES	
Recyclable Plastic	GR2212-07	25-046 Motorola, Smart phone Model XT2527, Black glue 7	0,009	0,009	100%	YES	
Recyclable Plastic	GR2212-08	25-046 Motorola, Smart phone Model XT2527, Black glue 8	0,523	0,523	100%	YES	
Recyclable Plastic	GR2212-09	25-046 Motorola, Smart phone Model XT2527, Black glue 9	0,012	0,012	100%	YES	
Recyclable Plastic	GR2212-11	25-046 Motorola, Smart phone Model XT2527, Black glue 11	0,003	0,003	100%	YES	
Recyclable Plastic	GR2212-12	25-046 Motorola, Smart phone Model XT2527, Black glue 12	0,001	0,001	100%	YES	
Recyclable Plastic	GR2212-13	25-046 Motorola, Smart phone Model XT2527, Black glue 13	0,186	0,186	100%	YES	
Recyclable Plastic	GR2214-00	25-046 Motorola, Smart phone Model XT2527, Black plastic frame	2,051	2,051	100%	YES	
Recyclable Plastic	GR2218-00	25-046 Motorola, Smart phone Model XT2527, Black sealing	0,080	0,080	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recycled or Reused Mass in [g]	Factor Recycling	Compatibility Recycling	Why not recyclable
Recyclable Plastic	GR2220-00	25-046 Motorola, Smart phone Model XT2527, Black soft plastic pad	0,094	0,094	100%	YES	
Recyclable Plastic	GR2237-00	25-046 Motorola, Smart phone Model XT2527, Light guide	0,072	0,072	100%	YES	
Recyclable Plastic	GR2255-00	25-046 Motorola, Smart phone Model XT2527, Top plastic cover	3,807	3,807	100%	YES	
Recyclable Plastic	GR2264-00	25-046 Motorola, Smart phone Model XT2527, Graphite foil	1,727	1,727	100%	YES	
			182,923	128,654			

3. Fraction Assessment for recovery:

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Aluminum	GR2242-00	25-046 Motorola, Smart phone Model XT2527, Metal rings	0,646	0,646	100%	YES	
Battery	GR2209-00	25-046 Motorola, Smart phone Model XT2527, Battery	64,443	64,443	100%	YES	
Copper Alloy	GR2228-02	25-046 Motorola, Smart phone Model XT2527, Display foils, Copper foil	4,563	4,563	100%	YES	
Copper Alloy	GR2260-00	25-046 Motorola, Smart phone Model XT2527, Copper glue strip	0,155	0,155	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Ferrous Alloy	GR2217-00	25-046 Motorola, Smart phone Model XT2527, Black screws	0,751	0,751	100%	YES	
Ferrous Alloy	GR2235-00	25-046 Motorola, Smart phone Model XT2527, Silver screw	0,031	0,031	100%	YES	
Ferrous Alloy	GR2241-00	25-046 Motorola, Smart phone Model XT2527, Metal plate	0,209	0,209	100%	YES	
Glass	GR2229-00	25-046 Motorola, Smart phone Model XT2527, Display Front glass	19,150	19,150	100%	YES	
Glass	GR2234-01	25-046 Motorola, Smart phone Model XT2527, Glass cover 1	0,173	0,173	100%	YES	
Glass	GR2234-02	25-046 Motorola, Smart phone Model XT2527, Glass cover 2	0,235	0,235	100%	YES	
Glass	GR2234-03	25-046 Motorola, Smart phone Model XT2527, Glass cover 3	0,157	0,157	100%	YES	
Glass	GR2234-04	25-046 Motorola, Smart phone Model XT2527, Glass cover 4	0,157	0,157	100%	YES	
Non recyclable	GR2208-00	25-046 Motorola, Smart phone Model XT2527, Backside cover	11,252	11,252	100%	YES	
Non recyclable	GR2211-00	25-046 Motorola, Smart phone Model XT2527, Black soft plastic parts 1+2	0,011	0,011	100%	YES	
Non recyclable	GR2212-10	25-046 Motorola, Smart phone Model XT2527, Black glue 10	0,003	0,003	100%	YES	
Non recyclable	GR2213-01	25-046 Motorola, Smart phone Model XT2527, Black glue strip 1	0,001	0,001	100%	YES	
Non recyclable	GR2213-02	25-046 Motorola, Smart phone Model XT2527, Black glue strip 2	0,103	0,103	100%	YES	
Non recyclable	GR2213-03	25-046 Motorola, Smart phone Model XT2527, Black glue strip 3	0,004	0,004	100%	YES	
Non recyclable	GR2213-04	25-046 Motorola, Smart phone Model XT2527, Black glue strip 4	0,805	0,805	100%	YES	
Non recyclable	GR2213-05	25-046 Motorola, Smart phone Model XT2527, Black glue strip 5	0,001	0,001	100%	YES	
Non recyclable	GR2213-06	25-046 Motorola, Smart phone Model XT2527, Black glue strip 6	0,001	0,001	100%	YES	
Non recyclable	GR2213-07	25-046 Motorola, Smart phone Model XT2527, Black glue strip 7	0,940	0,940	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Non recyclable	GR2215-00	25-046 Motorola, Smart phone Model XT2527, Black plastic net	0,023	0,023	100%	YES	
Non recyclable	GR2216-00	25-046 Motorola, Smart phone Model XT2527, Black plastic pin	0,005	0,005	100%	YES	
Non recyclable	GR2219-01	25-046 Motorola, Smart phone Model XT2527, Black shock pad 1	0,953	0,953	100%	YES	
Non recyclable	GR2219-02	25-046 Motorola, Smart phone Model XT2527, Black shock pad 2	0,007	0,007	100%	YES	
Non recyclable	GR2219-03	25-046 Motorola, Smart phone Model XT2527, Black shock pad 3	0,002	0,002	100%	YES	
Non recyclable	GR2219-04	25-046 Motorola, Smart phone Model XT2527, Black shock pad 4	0,029	0,029	100%	YES	
Non recyclable	GR2219-05	25-046 Motorola, Smart phone Model XT2527, Black shock pad 5	0,033	0,033	100%	YES	
Non recyclable	GR2219-06	25-046 Motorola, Smart phone Model XT2527, Black shock pad 6	0,032	0,032	100%	YES	
Non recyclable	GR2219-07	25-046 Motorola, Smart phone Model XT2527, Black shock pad 7	0,014	0,014	100%	YES	
Non recyclable	GR2219-08	25-046 Motorola, Smart phone Model XT2527, Black shock pad 8	0,001	0,001	100%	YES	
Non recyclable	GR2219-09	25-046 Motorola, Smart phone Model XT2527, Black shock pad 9	0,007	0,007	100%	YES	
Non recyclable	GR2219-10	25-046 Motorola, Smart phone Model XT2527, Black shock pad 10	0,167	0,167	100%	YES	
Non recyclable	GR2219-11	25-046 Motorola, Smart phone Model XT2527, Black shock pad 11	0,013	0,013	100%	YES	
Non recyclable	GR2219-12	25-046 Motorola, Smart phone Model XT2527, Black shock pad 12	0,004	0,004	100%	YES	
Non recyclable	GR2219-13	25-046 Motorola, Smart phone Model XT2527, Black shock pad 13	0,022	0,022	100%	YES	
Non recyclable	GR2222-00	25-046 Motorola, Smart phone Model XT2527, Blue plastic frame	0,055	0,055	100%	YES	
Non recyclable	GR2223-00	25-046 Motorola, Smart phone Model XT2527, Bottom plastic cover	0,846	0,846	100%	YES	
Non recyclable	GR2225-01	25-046 Motorola, Smart phone Model XT2527, Clear glue strip 1	0,077	0,077	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Non recyclable	GR2225-02	25-046 Motorola, Smart phone Model XT2527, Clear glue strip 2	0,060	0,060	100%	YES	
Non recyclable	GR2228-01	25-046 Motorola, Smart phone Model XT2527, Display foil	2,107	2,107	100%	YES	
Non recyclable	GR2230-00	25-046 Motorola, Smart phone Model XT2527, Filter	0,015	0,015	100%	YES	
Non recyclable	GR2236-01	25-046 Motorola, Smart phone Model XT2527, Label 1	0,005	0,005	100%	YES	
Non recyclable	GR2236-02	25-046 Motorola, Smart phone Model XT2527, Label 2	0,003	0,003	100%	YES	
Non recyclable	GR2236-03	25-046 Motorola, Smart phone Model XT2527, Label 3	0,006	0,006	100%	YES	
Non recyclable	GR2236-04	25-046 Motorola, Smart phone Model XT2527, Label 4	0,002	0,002	100%	YES	
Non recyclable	GR2236-05	25-046 Motorola, Smart phone Model XT2527, Label 5	0,007	0,007	100%	YES	
Non recoverable	GR2240-00	25-046 Motorola, Smart phone Model XT2527, Metal housing	35,500	0	0%	NO	Lead
Non recyclable	GR2243-01	25-046 Motorola, Smart phone Model XT2527, Metallic foam pad 1	0,008	0,008	100%	YES	
Non recyclable	GR2243-02	25-046 Motorola, Smart phone Model XT2527, Metallic foam pad 2	0,003	0,003	100%	YES	
Non recyclable	GR2243-03	25-046 Motorola, Smart phone Model XT2527, Metallic foam pad 3	0,002	0,002	100%	YES	
Non recyclable	GR2244-00	25-046 Motorola, Smart phone Model XT2527, Metallic foil, Graphite foil	0,042	0,042	100%	YES	
Non recyclable	GR2245-01	25-046 Motorola, Smart phone Model XT2527, Metallic glue strip 1	0,010	0,010	100%	YES	
Non recyclable	GR2245-02	25-046 Motorola, Smart phone Model XT2527, Metallic glue strip 2	0,012	0,012	100%	YES	
Non recyclable	GR2245-03	25-046 Motorola, Smart phone Model XT2527, Metallic glue strip 3	0,013	0,013	100%	YES	
Non recyclable	GR2245-04	25-046 Motorola, Smart phone Model XT2527, Metallic glue strip 4	0,012	0,012	100%	YES	
Non recyclable	GR2246-01	25-046 Motorola, Smart phone Model XT2527, Metallic shock pads 1	0,011	0,011	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Non recyclable	GR2246-02	25-046 Motorola, Smart phone Model XT2527, Metallic shock pads 2	0,042	0,042	100%	YES	
Non recyclable	GR2246-03	25-046 Motorola, Smart phone Model XT2527, Metallic shock pad 3	0,011	0,011	100%	YES	
Non recyclable	GR2246-04	25-046 Motorola, Smart phone Model XT2527, Metallic shock pad 4	0,013	0,013	100%	YES	
Non recyclable	GR2246-05	25-046 Motorola, Smart phone Model XT2527, Metallic shock pad 5	0,003	0,003	100%	YES	
Non recyclable	GR2252-00	25-046 Motorola, Smart phone Model XT2527, SIM Card holder	0,421	0,421	100%	YES	
Non recoverable	GR2254-00	25-046 Motorola, Smart phone Model XT2527, Thermal paste 1+2	0,423	0	0%	NO	Non combustible
Non recyclable	GR2259-00	25-046 Motorola, Smart phone Model XT2527, White glue strip	0,001	0,001	100%	YES	
Non recoverable	GR2261-00	25-046 Motorola, Smart phone Model XT2527, Blue glue	0,011	0	0%	NO	Non combustible
Non recyclable	GR2262-00	25-046 Motorola, Smart phone Model XT2527, Volumen button	0,077	0,077	100%	YES	
Non recyclable	GR2263-00	25-046 Motorola, Smart phone Model XT2527, Power button	0,038	0,038	100%	YES	
PWB and mixed Electronics	GR2209-17	25-046 Motorola, Smart phone Model XT2527, Battery, Flexgrid	0,842	0,842	100%	YES	
PWB and mixed Electronics	GR2210-00	25-046 Motorola, Smart phone Model XT2527, Black cable	0,243	0,243	100%	YES	
PWB and mixed Electronics	GR2221-00	25-046 Motorola, Smart phone Model XT2527, Blue cable	0,185	0,185	100%	YES	
PWB and mixed Electronics	GR2224-00	25-046 Motorola, Smart phone Model XT2527, Bottom speaker	2,885	2,885	100%	YES	
PWB and mixed Electronics	GR2226-00	25-046 Motorola, Smart phone Model XT2527, Connection flex	0,792	0,792	100%	YES	
PWB and mixed Electronics	GR2227-00	25-046 Motorola, Smart phone Model XT2527, Display flex	1,285	1,285	100%	YES	
PWB and mixed Electronics	GR2231-00	25-046 Motorola, Smart phone Model XT2527, Fingerprint sensor	0,180	0,180	100%	YES	
PWB and mixed Electronics	GR2232-00	25-046 Motorola, Smart phone Model XT2527, Flashlight PWB	0,259	0,259	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
PWB and mixed Electronics	GR2233-00	25-046 Motorola, Smart phone Model XT2527, Front camera	0,284	0,284	100%	YES	
PWB and mixed Electronics	GR2238-00	25-046 Motorola, Smart phone Model XT2527, Light sensor	0,249	0,249	100%	YES	
PWB and mixed Electronics	GR2239-00	25-046 Motorola, Smart phone Model XT2527, Main PWB	15,559	15,559	100%	YES	
PWB and mixed Electronics	GR2247-00	25-046 Motorola, Smart phone Model XT2527, NFC flex	0,527	0,527	100%	YES	
PWB and mixed Electronics	GR2248-00	25-046 Motorola, Smart phone Model XT2527, Power/Volume button flex	0,215	0,215	100%	YES	
PWB and mixed Electronics	GR2249-00	25-046 Motorola, Smart phone Model XT2527, PWB	0,057	0,057	100%	YES	
PWB and mixed Electronics	GR2250-00	25-046 Motorola, Smart phone Model XT2527, Rear camera 1	1,584	1,584	100%	YES	
PWB and mixed Electronics	GR2251-00	25-046 Motorola, Smart phone Model XT2527, Rear camera 2	0,565	0,565	100%	YES	
PWB and mixed Electronics	GR2253-00	25-046 Motorola, Smart phone Model XT2527, SUB PWB	1,463	1,463	100%	YES	
PWB and mixed Electronics	GR2256-00	25-046 Motorola, Smart phone Model XT2527, Top speaker	0,968	0,968	100%	YES	
PWB and mixed Electronics	GR2257-00	25-046 Motorola, Smart phone Model XT2527, Vibra cell	0,914	0,914	100%	YES	
PWB and mixed Electronics	GR2258-00	25-046 Motorola, Smart phone Model XT2527, White cable	0,177	0,177	100%	YES	
Recyclable Plastic	GR2212-01	25-046 Motorola, Smart phone Model XT2527, Black glue 1	0,141	0,141	100%	YES	
Recyclable Plastic	GR2212-02	25-046 Motorola, Smart phone Model XT2527, Black glue 2	0,007	0,007	100%	YES	
Recyclable Plastic	GR2212-03	25-046 Motorola, Smart phone Model XT2527, Black glue 3	0,009	0,009	100%	YES	
Recyclable Plastic	GR2212-04	25-046 Motorola, Smart phone Model XT2527, Black glue 4	0,011	0,011	100%	YES	
Recyclable Plastic	GR2212-05	25-046 Motorola, Smart phone Model XT2527, Black glue 5	0,011	0,011	100%	YES	
Recyclable Plastic	GR2212-06	25-046 Motorola, Smart phone Model XT2527, Black glue 6	0,007	0,007	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Recyclable Plastic	GR2212-07	25-046 Motorola, Smart phone Model XT2527, Black glue 7	0,009	0,009	100%	YES	
Recyclable Plastic	GR2212-08	25-046 Motorola, Smart phone Model XT2527, Black glue 8	0,523	0,523	100%	YES	
Recyclable Plastic	GR2212-09	25-046 Motorola, Smart phone Model XT2527, Black glue 9	0,012	0,012	100%	YES	
Recyclable Plastic	GR2212-11	25-046 Motorola, Smart phone Model XT2527, Black glue 11	0,003	0,003	100%	YES	
Recyclable Plastic	GR2212-12	25-046 Motorola, Smart phone Model XT2527, Black glue 12	0,001	0,001	100%	YES	
Recyclable Plastic	GR2212-13	25-046 Motorola, Smart phone Model XT2527, Black glue 13	0,186	0,186	100%	YES	
Recyclable Plastic	GR2214-00	25-046 Motorola, Smart phone Model XT2527, Black plastic frame	2,051	2,051	100%	YES	
Recyclable Plastic	GR2218-00	25-046 Motorola, Smart phone Model XT2527, Black sealing	0,080	0,080	100%	YES	
Recyclable Plastic	GR2220-00	25-046 Motorola, Smart phone Model XT2527, Black soft plastic pad	0,094	0,094	100%	YES	
Recyclable Plastic	GR2237-00	25-046 Motorola, Smart phone Model XT2527, Light guide	0,072	0,072	100%	YES	
Recyclable Plastic	GR2255-00	25-046 Motorola, Smart phone Model XT2527, Top plastic cover	3,807	3,807	100%	YES	
Recyclable Plastic	GR2264-00	25-046 Motorola, Smart phone Model XT2527, Graphite foil	1,727	1,727	100%	YES	
			182,923	146,989			