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Date: November 20th, 2024
 From: Dr. Michael Riess, VDE
 To: Motorola/Lenovo

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

XT2521 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. This is done in accordance with EN 45555 which is in line with 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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Annex

Based on Testreport-323732-TL7-1 the product achieves a recycling quote of 72.71 % and a recovery quote of 99.83 %.

Required Records:

1. Total weight of mobile phone (with Battery): 189.729 g = 0.418 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
Battery	GK2295-00	24-258 Motorola,Smart PhoneModel XT2521, Battery	64,168	64,168	100%	YES	
Copper Alloy	GK2310-00	24-258 Motorola,Smart PhoneModel XT2521, Copper glue strip	0,036	0,036	100%	YES	
Ferrous Alloy	GK2312-06	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Display metal plate	8,537	8,537	100%	YES	
Ferrous Alloy	GK2313-01	24-258 Motorola,Smart PhoneModel XT2521, Black screws	0,673	0,673	100%	YES	
Ferrous Alloy	GK2313-02	24-258 Motorola,Smart PhoneModel XT2521, Silver screw	0,031	0,031	100%	YES	
Glass	GK2283-01	24-258 Motorola,Smart PhoneModel XT2521, Glass cover 1	0,184	0,184	100%	YES	
Glass	GK2283-02	24-258 Motorola,Smart PhoneModel XT2521, Glass cover 2	0,184	0,184	100%	YES	
Glass	GK2283-03	24-258 Motorola,Smart PhoneModel XT2521, Glass cover 3	0,146	0,146	100%	YES	
Glass	GK2283-04	24-258 Motorola,Smart PhoneModel XT2521, Glass cover 4	0,150	0,150	100%	YES	
Glass	GK2297-00	24-258 Motorola,Smart PhoneModel XT2521, Display	29,060	29,060	100%	YES	
Non recyclable	GK2275-00	24-258 Motorola,Smart PhoneModel XT2521, SIM card holder	0,410	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	GK2276-00	24-258 Motorola,Smart PhoneModel XT2521, Backside cover	9,476	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2278-00	24-258 Motorola,Smart PhoneModel XT2521, Volume button	0,090	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2284-00	24-258 Motorola,Smart PhoneModel XT2521, Black plastic frame	11,675	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2299-00	24-258 Motorola,Smart PhoneModel XT2521, Metal housing	26,892	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2300-00	24-258 Motorola,Smart PhoneModel XT2521, Black net 1-2	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2301-01	24-258 Motorola,Smart PhoneModel XT2521, Black foil plate	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2301-03	24-258 Motorola,Smart PhoneModel XT2521, Black plastic part	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-01	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 1	0,868	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-02	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 2	0,003	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-03	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 3	0,026	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-04	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 4	0,023	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-05	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 5+6	0,017	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-06	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 7	0,005	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-07	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 8	0,002	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-08	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 9+10	0,002	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-09	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 11	0,035	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-10	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 12	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-11	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 13	0,021	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	GK2303-12	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 14	0,010	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2303-13	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad	0,002	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2304-01	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 1	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2304-02	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 2+3	0,204	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2304-03	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 4	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2304-04	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 5	0,041	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2304-05	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 6+7	0,005	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2305-01	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 1	0,085	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2305-02	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 2	0,573	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2305-03	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 3	0,019	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2305-04	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 4	0,201	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2305-05	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 5	0,571	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2306-01	24-258 Motorola,Smart PhoneModel XT2521, Label 1	0,009	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2306-02	24-258 Motorola,Smart PhoneModel XT2521, Label 2	0,006	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2306-03	24-258 Motorola,Smart PhoneModel XT2521, Label 3	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2306-04	24-258 Motorola,Smart PhoneModel XT2521, Label 4	0,007	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2306-05	24-258 Motorola,Smart PhoneModel XT2521, Label 5	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2307-01	24-258 Motorola,Smart PhoneModel XT2521, Clear glue strip 1	0,003	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	GK2307-02	24-258 Motorola,Smart PhoneModel XT2521, Clear glue strip 2	0,025	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2307-03	24-258 Motorola,Smart PhoneModel XT2521, Clear glue strip 3	0,006	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2307-04	24-258 Motorola,Smart PhoneModel XT2521, Clear glue strip 4	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2307-05	24-258 Motorola,Smart PhoneModel XT2521, White glue strip	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2308-01	24-258 Motorola,Smart PhoneModel XT2521, Metallic glue strip 1	0,010	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2308-02	24-258 Motorola,Smart PhoneModel XT2521, Metallic glue strip 2	0,002	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2308-03	24-258 Motorola,Smart PhoneModel XT2521, Metallic glue strip 3	0,015	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2308-04	24-258 Motorola,Smart PhoneModel XT2521, Metallic glue strip 4	0,004	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2309-01	24-258 Motorola,Smart PhoneModel XT2521, Metallic shock pad 1	0,001	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2309-02	24-258 Motorola,Smart PhoneModel XT2521, Metallic shock pad 2	0,075	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2309-03	24-258 Motorola,Smart PhoneModel XT2521, Metallic shock pad 3	0,008	0	0%	NO	Material Mix more than 5% differing materials
Non recyclable	GK2311-00	24-258 Motorola,Smart PhoneModel XT2521, Pink thermal paste	0,315	0	0%	NO	Non remelttable
PWB and mixed Electronics	GK2277-00	24-258 Motorola,Smart PhoneModel XT2521, Power button flex	0,257	0,257	100%	YES	
PWB and mixed Electronics	GK2279-00	24-258 Motorola,Smart PhoneModel XT2521, NFC Flex	0,143	0,143	100%	YES	
PWB and mixed Electronics	GK2280-00	24-258 Motorola,Smart PhoneModel XT2521, Antenna flex 1-3	0,296	0,296	100%	YES	
PWB and mixed Electronics	GK2281-00	24-258 Motorola,Smart PhoneModel XT2521, Light senseor PWB	0,254	0,254	100%	YES	
PWB and mixed Electronics	GK2282-00	24-258 Motorola,Smart PhoneModel XT2521, Flashlight	0,429	0,429	100%	YES	
PWB and mixed Electronics	GK2285-00	24-258 Motorola,Smart PhoneModel XT2521, Bottom speaker	2,352	2,352	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	GK2286-00	24-258 Motorola,Smart PhoneModel XT2521, SUB PWB	1,140	1,140	100%	YES	
PWB and mixed Electronics	GK2287-00	24-258 Motorola,Smart PhoneModel XT2521, Vibra cell	0,898	0,898	100%	YES	
PWB and mixed Electronics	GK2288-00	24-258 Motorola,Smart PhoneModel XT2521, Black connection cable	0,179	0,179	100%	YES	
PWB and mixed Electronics	GK2289-00	24-258 Motorola,Smart PhoneModel XT2521, Rear camera 1	0,332	0,332	100%	YES	
PWB and mixed Electronics	GK2290-00	24-258 Motorola,Smart PhoneModel XT2521, Front camera	0,234	0,234	100%	YES	
PWB and mixed Electronics	GK2291-00	24-258 Motorola,Smart PhoneModel XT2521, Rear camera 2	0,881	0,881	100%	YES	
PWB and mixed Electronics	GK2292-00	24-258 Motorola,Smart PhoneModel XT2521, Main PWB	14,679	14,679	100%	YES	
PWB and mixed Electronics	GK2293-00	24-258 Motorola,Smart PhoneModel XT2521, Top speaker	0,962	0,962	100%	YES	
PWB and mixed Electronics	GK2294-00	24-258 Motorola,Smart PhoneModel XT2521, Volume button flex	0,212	0,212	100%	YES	
PWB and mixed Electronics	GK2295-13	24-258 Motorola,Smart PhoneModel XT2521, Battery, Flex grid	0,577	0,577	100%	YES	
PWB and mixed Electronics	GK2296-00	24-258 Motorola,Smart PhoneModel XT2521, Connection flex	0,518	0,518	100%	YES	
PWB and mixed Electronics	GK2298-00	24-258 Motorola,Smart PhoneModel XT2521, Display connection flex	0,951	0,951	100%	YES	
Recyclable Plastic	GK2301-02	24-258 Motorola,Smart PhoneModel XT2521, Black plastic clamp	0,103	0,103	100%	YES	
Recyclable Plastic	GK2301-04	24-258 Motorola,Smart PhoneModel XT2521, Gray plastic frame	0,113	0,113	100%	YES	
Recyclable Plastic	GK2302-01	24-258 Motorola,Smart PhoneModel XT2521, Black glue 1	0,323	0,323	100%	YES	
Recyclable Plastic	GK2302-02	24-258 Motorola,Smart PhoneModel XT2521, Black glue 2	0,077	0,077	100%	YES	
Recyclable Plastic	GK2302-03	24-258 Motorola,Smart PhoneModel XT2521, Black glue 3	0,004	0,004	100%	YES	
Recyclable Plastic	GK2302-04	24-258 Motorola,Smart PhoneModel XT2521, Black glue 4+5+6+7	0,035	0,035	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	GK2302-05	24-258 Motorola,Smart PhoneModel XT2521, Black glue 8	0,004	0,004	100%	YES	
Recyclable Plastic	GK2312-01	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Reflection foil	1,169	1,169	100%	YES	
Recyclable Plastic	GK2312-02	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Polarization foil 1	0,981	0,981	100%	YES	
Recyclable Plastic	GK2312-03	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Polarization foil 2	1,386	1,386	100%	YES	
Recyclable Plastic	GK2312-04	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Diffuser foil	0,711	0,711	100%	YES	
Recyclable Plastic	GK2312-05	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Diffuser plate	4,590	4,590	100%	YES	
			189,729	137,959			

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
Battery	GK2295-00	24-258 Motorola,Smart PhoneModel XT2521, Battery	64,168	64,168	100%	YES	
Copper Alloy	GK2310-00	24-258 Motorola,Smart PhoneModel XT2521, Copper glue strip	0,036	0,036	100%	YES	
Ferrous Alloy	GK2312-06	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Display metal plate	8,537	8,537	100%	YES	
Ferrous Alloy	GK2313-01	24-258 Motorola,Smart PhoneModel XT2521, Black screws	0,673	0,673	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Ferrous Alloy	GK2313-02	24-258 Motorola,Smart PhoneModel XT2521, Silver screw	0,031	0,031	100%	YES	
Glass	GK2283-01	24-258 Motorola,Smart PhoneModel XT2521, Glass cover 1	0,184	0,184	100%	YES	
Glass	GK2283-02	24-258 Motorola,Smart PhoneModel XT2521, Glass cover 2	0,184	0,184	100%	YES	
Glass	GK2283-03	24-258 Motorola,Smart PhoneModel XT2521, Glass cover 3	0,146	0,146	100%	YES	
Glass	GK2283-04	24-258 Motorola,Smart PhoneModel XT2521, Glass cover 4	0,150	0,150	100%	YES	
Glass	GK2297-00	24-258 Motorola,Smart PhoneModel XT2521, Display	29,060	29,060	100%	YES	
Non recyclable	GK2275-00	24-258 Motorola,Smart PhoneModel XT2521, SIM card holder	0,410	0,410	100%	YES	
Non recyclable	GK2276-00	24-258 Motorola,Smart PhoneModel XT2521, Backside cover	9,476	9,476	100%	YES	
Non recyclable	GK2278-00	24-258 Motorola,Smart PhoneModel XT2521, Volume button	0,090	0,090	100%	YES	
Non recyclable	GK2284-00	24-258 Motorola,Smart PhoneModel XT2521, Black plastic frame	11,675	11,675	100%	YES	
Non recyclable	GK2299-00	24-258 Motorola,Smart PhoneModel XT2521, Metal housing	26,892	26,892	100%	YES	
Non recyclable	GK2300-00	24-258 Motorola,Smart PhoneModel XT2521, Black net 1-2	0,009	0,009	100%	YES	
Non recyclable	GK2301-01	24-258 Motorola,Smart PhoneModel XT2521, Black foil plate	0,003	0,003	100%	YES	
Non recyclable	GK2301-03	24-258 Motorola,Smart PhoneModel XT2521, Black plastic part	0,001	0,001	100%	YES	
Non recyclable	GK2303-01	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 1	0,868	0,868	100%	YES	
Non recyclable	GK2303-02	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 2	0,003	0,003	100%	YES	
Non recyclable	GK2303-03	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 3	0,026	0,026	100%	YES	
Non recyclable	GK2303-04	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 4	0,023	0,023	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Non recyclable	GK2303-05	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 5+6	0,017	0,017	100%	YES	
Non recyclable	GK2303-06	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 7	0,005	0,005	100%	YES	
Non recyclable	GK2303-07	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 8	0,002	0,002	100%	YES	
Non recyclable	GK2303-08	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 9+10	0,002	0,002	100%	YES	
Non recyclable	GK2303-09	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 11	0,035	0,035	100%	YES	
Non recyclable	GK2303-10	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 12	0,009	0,009	100%	YES	
Non recyclable	GK2303-11	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 13	0,021	0,021	100%	YES	
Non recyclable	GK2303-12	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad 14	0,010	0,010	100%	YES	
Non recyclable	GK2303-13	24-258 Motorola,Smart PhoneModel XT2521, Black shock pad	0,002	0,002	100%	YES	
Non recyclable	GK2304-01	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 1	0,001	0,001	100%	YES	
Non recyclable	GK2304-02	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 2+3	0,204	0,204	100%	YES	
Non recyclable	GK2304-03	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 4	0,001	0,001	100%	YES	
Non recyclable	GK2304-04	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 5	0,041	0,041	100%	YES	
Non recyclable	GK2304-05	24-258 Motorola,Smart PhoneModel XT2521, Black glue strip 6+7	0,005	0,005	100%	YES	
Non recyclable	GK2305-01	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 1	0,085	0,085	100%	YES	
Non recyclable	GK2305-02	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 2	0,573	0,573	100%	YES	
Non recyclable	GK2305-03	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 3	0,019	0,019	100%	YES	
Non recyclable	GK2305-04	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 4	0,201	0,201	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Non recyclable	GK2305-05	24-258 Motorola,Smart PhoneModel XT2521, Black glue foil 5	0,571	0,571	100%	YES	
Non recyclable	GK2306-01	24-258 Motorola,Smart PhoneModel XT2521, Label 1	0,009	0,009	100%	YES	
Non recyclable	GK2306-02	24-258 Motorola,Smart PhoneModel XT2521, Label 2	0,006	0,006	100%	YES	
Non recyclable	GK2306-03	24-258 Motorola,Smart PhoneModel XT2521, Label 3	0,001	0,001	100%	YES	
Non recyclable	GK2306-04	24-258 Motorola,Smart PhoneModel XT2521, Label 4	0,007	0,007	100%	YES	
Non recyclable	GK2306-05	24-258 Motorola,Smart PhoneModel XT2521, Label 5	0,001	0,001	100%	YES	
Non recyclable	GK2307-01	24-258 Motorola,Smart PhoneModel XT2521, Clear glue strip 1	0,003	0,003	100%	YES	
Non recyclable	GK2307-02	24-258 Motorola,Smart PhoneModel XT2521, Clear glue strip 2	0,025	0,025	100%	YES	
Non recyclable	GK2307-03	24-258 Motorola,Smart PhoneModel XT2521, Clear glue strip 3	0,006	0,006	100%	YES	
Non recyclable	GK2307-04	24-258 Motorola,Smart PhoneModel XT2521, Clear glue strip 4	0,001	0,001	100%	YES	
Non recyclable	GK2307-05	24-258 Motorola,Smart PhoneModel XT2521, White glue strip	0,001	0,001	100%	YES	
Non recyclable	GK2308-01	24-258 Motorola,Smart PhoneModel XT2521, Metallic glue strip 1	0,010	0,010	100%	YES	
Non recyclable	GK2308-02	24-258 Motorola,Smart PhoneModel XT2521, Metallic glue strip 2	0,002	0,002	100%	YES	
Non recyclable	GK2308-03	24-258 Motorola,Smart PhoneModel XT2521, Metallic glue strip 3	0,015	0,015	100%	YES	
Non recyclable	GK2308-04	24-258 Motorola,Smart PhoneModel XT2521, Metallic glue strip 4	0,004	0,004	100%	YES	
Non recyclable	GK2309-01	24-258 Motorola,Smart PhoneModel XT2521, Metallic shock pad 1	0,001	0,001	100%	YES	
Non recyclable	GK2309-02	24-258 Motorola,Smart PhoneModel XT2521, Metallic shock pad 2	0,075	0,075	100%	YES	
Non recyclable	GK2309-03	24-258 Motorola,Smart PhoneModel XT2521, Metallic shock pad 3	0,008	0,008	100%	YES	

Fraction Name	Sample No.	Description	Total Mass in [g]	Recovered Mass in [g]	Factor Recovery	Compatibility Recovery	Why not recoverable
Non recoverable	GK2311-00	24-258 Motorola,Smart PhoneModel XT2521, Pink thermal paste	0,315	0	0%	NO	Non combustible
PWB and mixed Electronics	GK2277-00	24-258 Motorola,Smart PhoneModel XT2521, Power button flex	0,257	0,257	100%	YES	
PWB and mixed Electronics	GK2279-00	24-258 Motorola,Smart PhoneModel XT2521, NFC Flex	0,143	0,143	100%	YES	
PWB and mixed Electronics	GK2280-00	24-258 Motorola,Smart PhoneModel XT2521, Antenna flex 1-3	0,296	0,296	100%	YES	
PWB and mixed Electronics	GK2281-00	24-258 Motorola,Smart PhoneModel XT2521, Light sensor PWB	0,254	0,254	100%	YES	
PWB and mixed Electronics	GK2282-00	24-258 Motorola,Smart PhoneModel XT2521, Flashlight	0,429	0,429	100%	YES	
PWB and mixed Electronics	GK2285-00	24-258 Motorola,Smart PhoneModel XT2521, Bottom speaker	2,352	2,352	100%	YES	
PWB and mixed Electronics	GK2286-00	24-258 Motorola,Smart PhoneModel XT2521, SUB PWB	1,140	1,140	100%	YES	
PWB and mixed Electronics	GK2287-00	24-258 Motorola,Smart PhoneModel XT2521, Vibra cell	0,898	0,898	100%	YES	
PWB and mixed Electronics	GK2288-00	24-258 Motorola,Smart PhoneModel XT2521, Black connection cable	0,179	0,179	100%	YES	
PWB and mixed Electronics	GK2289-00	24-258 Motorola,Smart PhoneModel XT2521, Rear camera 1	0,332	0,332	100%	YES	
PWB and mixed Electronics	GK2290-00	24-258 Motorola,Smart PhoneModel XT2521, Front camera	0,234	0,234	100%	YES	
PWB and mixed Electronics	GK2291-00	24-258 Motorola,Smart PhoneModel XT2521, Rear camera 2	0,881	0,881	100%	YES	
PWB and mixed Electronics	GK2292-00	24-258 Motorola,Smart PhoneModel XT2521, Main PWB	14,679	14,679	100%	YES	
PWB and mixed Electronics	GK2293-00	24-258 Motorola,Smart PhoneModel XT2521, Top speaker	0,962	0,962	100%	YES	
PWB and mixed Electronics	GK2294-00	24-258 Motorola,Smart PhoneModel XT2521, Volume button flex	0,212	0,212	100%	YES	
PWB and mixed Electronics	GK2295-13	24-258 Motorola,Smart PhoneModel XT2521, Battery, Flex grid	0,577	0,577	100%	YES	
PWB and mixed Electronics	GK2296-00	24-258 Motorola,Smart PhoneModel XT2521, Connection flex	0,518	0,518	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	GK2298-00	24-258 Motorola,Smart PhoneModel XT2521, Display connection flex	0,951	0,951	100%	YES	
Recyclable Plastic	GK2301-02	24-258 Motorola,Smart PhoneModel XT2521, Black plastic clamp	0,103	0,103	100%	YES	
Recyclable Plastic	GK2301-04	24-258 Motorola,Smart PhoneModel XT2521, Gray plastic frame	0,113	0,113	100%	YES	
Recyclable Plastic	GK2302-01	24-258 Motorola,Smart PhoneModel XT2521, Black glue 1	0,323	0,323	100%	YES	
Recyclable Plastic	GK2302-02	24-258 Motorola,Smart PhoneModel XT2521, Black glue 2	0,077	0,077	100%	YES	
Recyclable Plastic	GK2302-03	24-258 Motorola,Smart PhoneModel XT2521, Black glue 3	0,004	0,004	100%	YES	
Recyclable Plastic	GK2302-04	24-258 Motorola,Smart PhoneModel XT2521, Black glue 4+5+6+7	0,035	0,035	100%	YES	
Recyclable Plastic	GK2302-05	24-258 Motorola,Smart PhoneModel XT2521, Black glue 8	0,004	0,004	100%	YES	
Recyclable Plastic	GK2312-01	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Reflection foil	1,169	1,169	100%	YES	
Recyclable Plastic	GK2312-02	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Polarization foil 1	0,981	0,981	100%	YES	
Recyclable Plastic	GK2312-03	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Polarization foil 2	1,386	1,386	100%	YES	
Recyclable Plastic	GK2312-04	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Diffuser foil	0,711	0,711	100%	YES	
Recyclable Plastic	GK2312-05	24-258 Motorola,Smart PhoneModel XT2521, Display assembly, Diffuser plate	4,590	4,590	100%	YES	
			189,729	189,414			