

Test Report No.: 68.420.21.1007.02

Rev.: 01

Dated: 2021-09-24



Applicant: Sitecom Europe B.V.

Address: Blaak 6, 3011 TA Rotterdam, Netherlands

Sample Description: Twins 1 TWS Earph. Dusky Blue, Twins 1 TWS Earph. Dried Green, Twins 1 TWS Earph. Dreamy Lilac, Twins 1 TWS Earph. Icy Grey, Twins 1 TWS Earph. Steel Blue, Twins 1 TWS Earph. Storm Grey, Twins 1 TWS Earph. Smokey Pink, Twins 1 TWS Earph. Safari Red, Twins 1 Tip TWS Earph. Dusky Blue, Twins 1 Tip TWS Earph. Dried Green, Twins 1 Tip TWS Earph. Dreamy Lilac, Twins 1 Tip TWS Earph. Icy Grey, Twins 1 Tip TWS Earph. Steel Blue, Twins 1 Tip TWS Earph. Storm Grey, Twins 1 Tip TWS Earph. Smokey Pink, Twins 1 Tip TWS Earph. Safari Red
Model No.: 3TW1000DB v1 001, 3TW1000DG v1 001, 3TW1000DL v1 001, 3TW1000IG v1 001, 3TW1000SB v1 001, 3TW1000SG v1 001, 3TW1000SP v1 001, 3TW1000SR v1 001, 3TW1100DB v1 001, 3TW1100DG v1 001, 3TW1100DL v1 001, 3TW1100IG v1 001, 3TW1100SB v1 001, 3TW1100SG v1 001, 3TW1100SP v1 001, 3TW1100SR v1 001

PO No.: IO004346

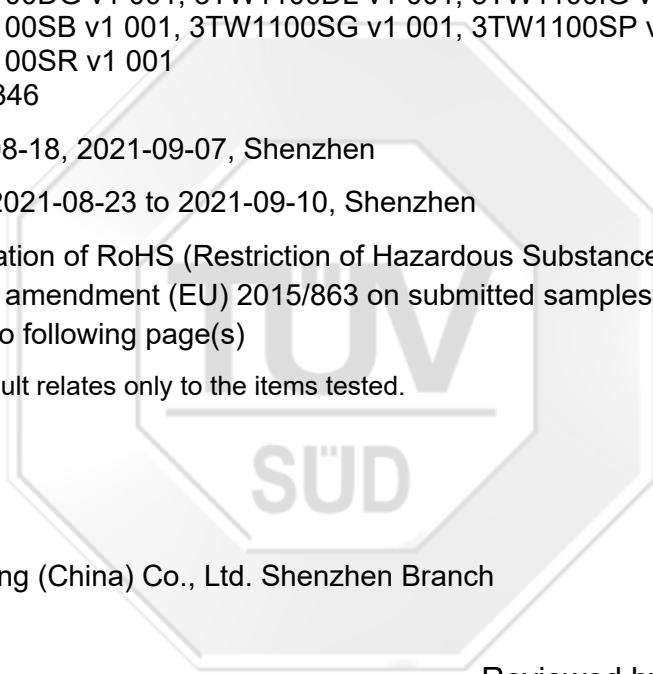
Sample Received Date: 2021-08-18, 2021-09-07, Shenzhen

Test Period: From 2021-08-23 to 2021-09-10, Shenzhen

Purpose of examination: Verification of RoHS (Restriction of Hazardous Substances) directive 2011/65/EU and its amendment (EU) 2015/863 on submitted samples

Test Results: Refer to following page(s)

Remark: The result relates only to the items tested.



TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

Prepared by:

Reviewed by:



Will Zheng
Project Handler

Mario Ma
Designated Reviewer

Any use for advertising purposes must be granted in writing. This test report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

Tel.: (86) 755 88286998

TÜV SÜD Group

Fax: (86) 755 88285299

Building 12 & 13, Zhiheng Wisdomland Business Park,
Guankou Erlu, Nantou, Nanshan District,
Shenzhen, 518052 China






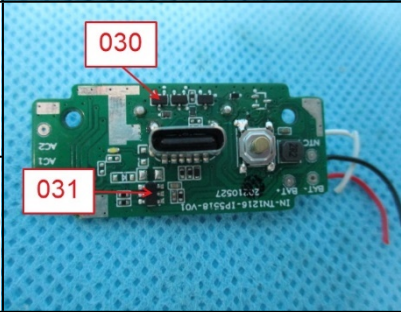
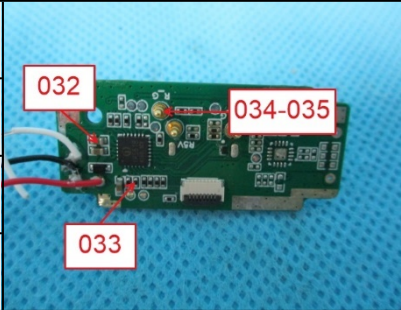
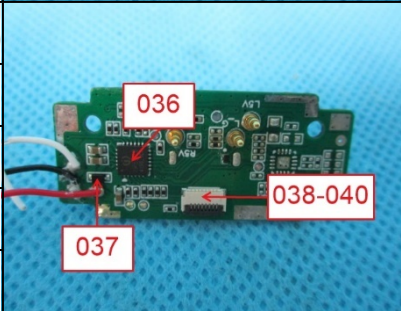
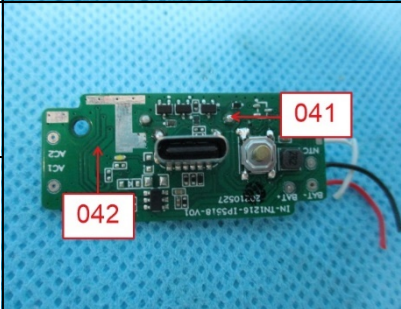
SUMMARY OF TEST RESULTS

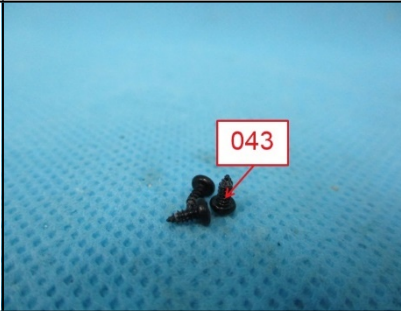

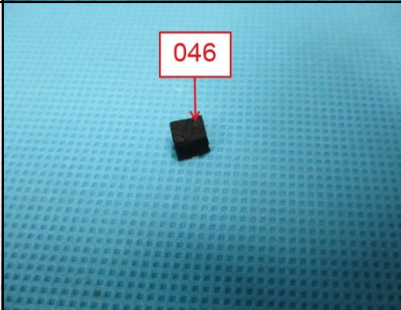


No.	Test Requested	Conclusion	Remarks
1.	Heavy Metal (Pb, Cd, Hg and Cr VI) Content	PASS	
2.	Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) Content	PASS	
3.	Phthalates (DEHP, BBP, DBP and DIBP) Content	PASS	

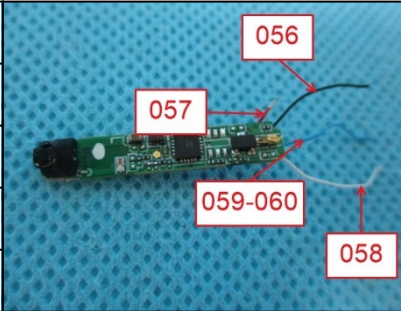
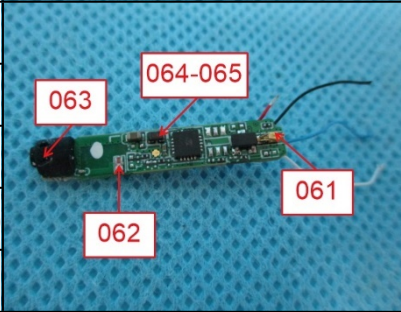
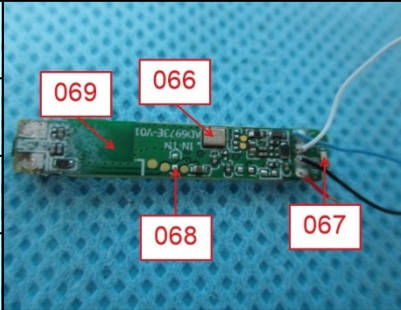
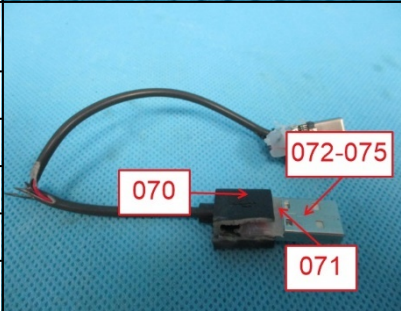
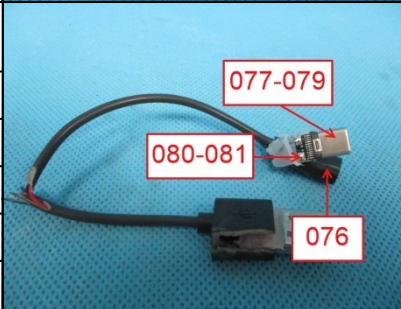



1. TESTED SUBJECT DESCRIPTION


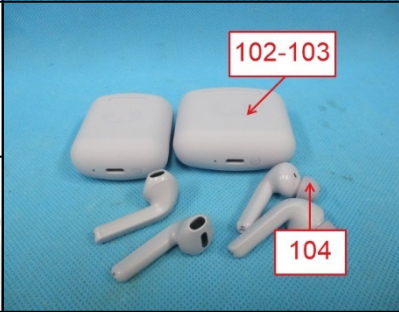

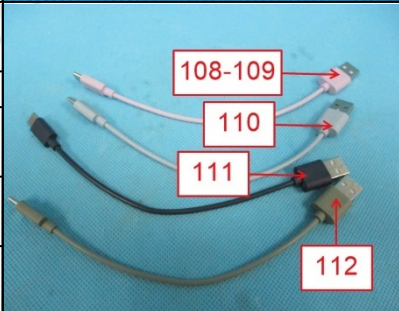
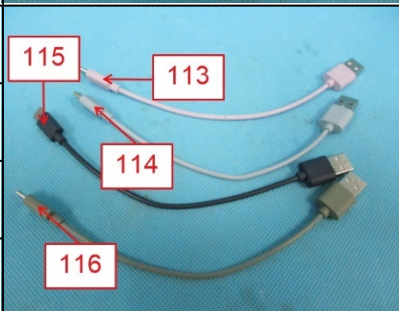
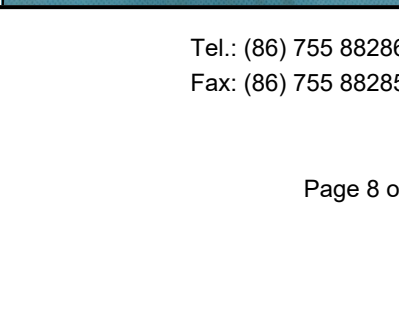

Test No.	Sample No.	Tested Material Description	Photo
T1	001	Transparent coating	
T2	002	Storm Grey plastic case	
T3	003	Storm Grey soft plastic plug	
T4	004	Golden/silvery metal pin	
T5	005	Black fabric mesh	
T6	006	Silvery metal shaft	
T7	007	Translucent plastic case	
T8	008	Black plastic plate	
T9	009	Beige glue	
T10	010	Silvery magnet	
T11	011	Transparent plastic plate	
T12	012	Yellow LED body	
T13	013	Black foam glue	
T14	014	Black plastic sheet	
T15	015	White printed black FPC	
T16	016	Black soft plastic wire jacket	
T17	017	Red soft plastic wire jacket	
T18	018	White soft plastic wire jacket	
T19	019	Silvery metal wire	
T20	020	Silvery metal case (Switch)	
T21	021	Golden metal key (Switch)	
T22	022	Black plastic case (Switch)	
T23	023	Silvery metal foil (Switch)	
T24	024	Silvery metal pin (Switch)	

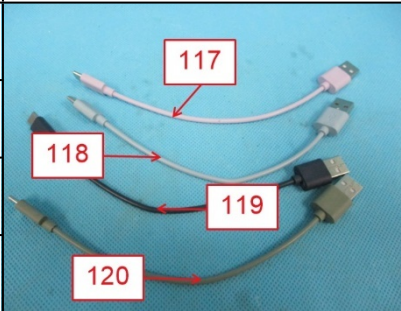
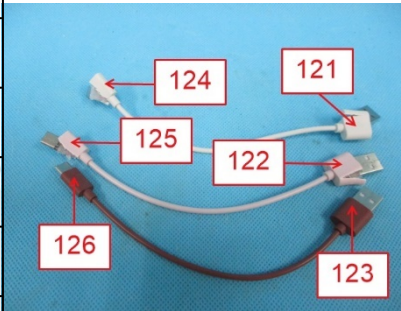
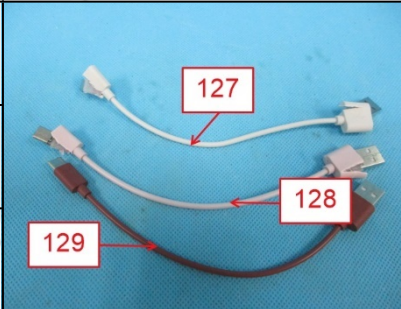
Test No.	Sample No.	Tested Material Description	Photo
T25	025	Silvery metal case (USB interface)	
T26	026	Black plastic inner (USB interface)	
T27	027	Silvery metal pin (USB interface)	
T28	028	Black magnet (Inductor)	
T29	029	Coppery metal coil (Inductor)	
T30	030	Black body with pin (EC)	
T31	031	Black body with pin (EC)	
T32	032	Brown/silvery body (SMD capacitor)	
T33	033	Black/silvery body (SMD resistor)	
T34	034	Golden metal shaft	
T35	035	Golden metal spring	
T36	036	Black body with pin (EC)	
T37	037	Black body with pin (Diode)	
T38	038	Grey plastic case (Port)	
T39	039	Black plastic case (Port)	
T40	040	Silvery metal pin (Port)	
T41	041	Silvery metal solder	
T42	042	Green PCB	

Test No.	Sample No.	Tested Material Description	Photo
T43	043	Black coated silvery metal screw	
T44	044	Black foam glue	
T45	045	Grey sponge with grey fabric tape	
T46	046	Black sponge with glue	
T47	047	Silvery metal case (Speaker)	
T48	048	White fabric sheet with black glue (Speaker)	
T49	049	White glue (Speaker)	
T50	050	Silvery metal solder (Speaker)	
T51	051	Green/brown PCB (Speaker)	
T52	052	Deep silvery metal case (Speaker)	
T53	053	Golden metal ring (Speaker)	
T54	054	Translucent plastic film (Speaker)	
T55	055	Coppery metal coil (Speaker)	

Test No.	Sample No.	Tested Material Description	Photo
T56	056	Black soft plastic wire jacket	
T57	057	Red soft plastic wire jacket	
T58	058	White soft plastic wire jacket	
T59	059	Blue soft plastic wire jacket	
T60	060	Silvery metal wire	
T61	061	Golden metal plate	
T62	062	White/brown body with pin (EC)	
T63	063	Black soft plastic gasket	
T64	064	Black magnet (Inductor)	
T65	065	Coppery metal coil (Inductor)	
T66	066	Silvery/golden metal body (Rectangle)	
T67	067	Silvery/grey LED body	
T68	068	Silvery metal solder	
T69	069	Green PCB	
T70	070	Storm Grey soft plastic housing (USB interface)	
T71	071	Translucent plastic plate (USB interface)	
T72	072	Silvery metal case (USB interface)	
T73	073	Grey plastic inner (USB interface)	
T74	074	Golden/silvery metal pin (USB interface)	
T75	075	Silvery metal solder (USB interface)	
T76	076	Storm Grey soft plastic housing (USB interface)	
T77	077	Silvery metal case (USB interface)	
T78	078	Black plastic inner (USB interface)	
T79	079	Silvery metal pin (USB interface)	
T80	080	Silvery metal solder (USB interface)	
T81	081	Green PCB (USB interface)	

Test No.	Sample No.	Tested Material Description	Photo
T82	082	Storm Grey soft plastic cable jacket	
T83	083	Black soft plastic wire jacket	
T84	084	Red soft plastic wire jacket	
T85	085	Coppery metal wire	
T86	087	Dusky Blue plastic case	
T87	088	Dusky Blue soft plastic plug	
T88	089	Transparent blue/red plastic adhesive tape	
T89	090	Dried Green coating	
T90	091	Dried Green plastic case	
T91	092	Dried Green soft plastic plug	
T92	094	Icy Grey plastic case	
T93	095	Icy Grey soft plastic plug	
T94	097	Steel Blue plastic case	
T95	098	Steel Blue soft plastic plug	

Test No.	Sample No.	Tested Material Description	Photo
T96	100	Safari Red plastic case	
T97	101	Safari Red soft plastic plug	
T98	103	Dreamy Lilac plastic case	
T99	104	Dreamy Lilac soft plastic plug	
T100	106	Smokey Pink plastic case	
T101	107	Smokey Pink soft plastic plug	
T102	108	Dreamy Lilac soft plastic housing (USB interface)	
T103	109	White plastic inner (USB interface)	
T104	110	Dusky Blue soft plastic housing (USB interface)	
T105	111	Steel Blue soft plastic housing (USB interface)	
T106	112	Dried Green soft plastic housing (USB interface)	
T107	113	Dreamy Lilac soft plastic housing (USB interface)	
T108	114	Dusky Blue soft plastic housing (USB interface)	
T109	115	Steel Blue soft plastic housing (USB interface)	
T110	116	Dried Green soft plastic housing (USB interface)	

Test No.	Sample No.	Tested Material Description	Photo
T111	117	Dreamy Lilac soft plastic cable jacket	
T112	118	Dusky Blue soft plastic cable jacket	
T113	119	Steel Blue soft plastic cable jacket	
T114	120	Dried Green soft plastic cable jacket	
T115	121	Icy Grey soft plastic housing (USB interface)	
T116	122	Smokey Pink soft plastic housing (USB interface)	
T117	123	Safari Red soft plastic housing (USB interface)	
T118	124	Icy Grey soft plastic housing (USB interface)	
T119	125	Smokey Pink soft plastic housing (USB interface)	
T120	126	Safari Red soft plastic housing (USB interface)	
T121	127	Icy Grey soft plastic cable jacket	
T122	128	Smokey Pink soft plastic cable jacket	
T123	129	Safari Red soft plastic cable jacket	



2. TEST RESULT(S)

2.1 SCREENING TEST

Test method: With reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014 and EN 62321-8:2017. For Heavy Metals and Flame Retardants, analyzed by Energy Dispersive X-ray Fluorescence Spectrometer (XRF); for phthalates, analyzed by Gas Chromatography and Mass Spectrometer (GC-MS).

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
001	BL	BL	BL	BL	BL	BL	BL	BL	BL
002	BL	BL	BL	BL	BL	BL	BL	BL	BL
003	BL	BL	BL	BL	BL	BL	BL	BL	BL
004	BL	BL	BL	OL ^(a)	NA	NA	NA	NA	NA
005	BL	BL	BL	BL	BL	BL	BL	BL	BL
006	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
007	BL	BL	BL	BL	BL	BL	BL	BL	BL
008	BL	BL	BL	BL	BL	BL	BL	BL	BL
009	Inc. ^(a)	BL	BL	BL	BL	BL	BL	BL	BL
010	BL	BL	BL	BL	NA	NA	NA	NA	NA
011	BL	BL	BL	BL	BL	BL	BL	BL	BL
012	BL	BL	BL	BL	BL	BL	BL	BL	BL
013	BL	BL	BL	BL	BL	BL	BL	BL	BL
014	BL	BL	BL	BL	BL	BL	BL	BL	BL
015	BL	BL	BL	BL	BL	BL	BL	BL	BL
016	BL	BL	BL	BL	BL	BL	BL	BL	BL
017	BL	BL	BL	BL	BL	BL	BL	BL	BL
018	BL	BL	BL	BL	BL	BL	BL	BL	BL
019	BL	BL	BL	BL	NA	NA	NA	NA	NA
020	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
021	Inc. ^(a)	BL	BL	BL	NA	NA	NA	NA	NA
022	BL	BL	BL	BL	BL	BL	BL	BL	BL
023	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
024	BL	BL	BL	BL	NA	NA	NA	NA	NA
025	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
026	BL	BL	BL	BL	BL	BL	BL	BL	BL
027	BL	BL	BL	BL	NA	NA	NA	NA	NA



Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
028	BL	BL	BL	BL	NA	NA	NA	NA	NA
029	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
030	BL	BL	BL	BL	BL	BL	BL	BL	BL
031	BL	BL	BL	BL	BL	BL	BL	BL	BL
032	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
033	BL	BL	BL	OL ^(a)	BL	BL	BL	BL	BL
034	BL	BL	BL	OL ^(a)	NA	NA	NA	NA	NA
035	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
036	BL	BL	BL	BL	BL	BL	BL	BL	BL
037	BL	BL	BL	BL	BL	BL	BL	BL	BL
038	BL	BL	BL	BL	BL	BL	BL	BL	BL
039	BL	BL	BL	BL	BL	BL	BL	BL	BL
040	BL	BL	BL	BL	NA	NA	NA	NA	NA
041	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
042	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
043	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
044	BL	BL	BL	BL	BL	BL	BL	BL	BL
045	BL	BL	BL	BL	BL	BL	BL	Inc. ^(a)	BL
046	BL	BL	BL	BL	Inc. ^(a)	BL	BL	Inc. ^(a)	BL
047	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
048	BL	BL	BL	BL	BL	BL	BL	BL	BL
049	BL	BL	BL	BL	BL	BL	BL	BL	BL
050	BL	BL	BL	BL	NA	NA	NA	NA	NA
051	BL	BL	BL	BL	BL	BL	BL	BL	BL
052	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
053	BL	BL	BL	BL	NA	NA	NA	NA	NA
054	BL	BL	BL	BL	BL	BL	BL	BL	BL
055	BL	BL	BL	BL	NA	NA	NA	NA	NA
056	BL	BL	BL	BL	BL	BL	BL	BL	BL
057	BL	BL	BL	BL	BL	BL	BL	BL	BL
058	BL	BL	BL	BL	BL	BL	BL	BL	BL
059	BL	BL	BL	BL	BL	BL	BL	BL	BL



Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
060	BL	BL	BL	BL	NA	NA	NA	NA	NA
061	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
062	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
063	BL	BL	BL	BL	BL	BL	BL	BL	BL
064	BL	BL	BL	BL	NA	NA	NA	NA	NA
065	BL	BL	BL	BL	NA	NA	NA	NA	NA
066	BL	BL	BL	BL	NA	NA	NA	NA	NA
067	BL	BL	BL	BL	BL	BL	BL	BL	BL
068	BL	BL	BL	BL	NA	NA	NA	NA	NA
069	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
070	BL	BL	BL	BL	BL	BL	BL	BL	BL
071	BL	BL	BL	BL	BL	BL	BL	BL	BL
072	BL	BL	BL	BL	NA	NA	NA	NA	NA
073	BL	BL	BL	BL	BL	BL	BL	BL	BL
074	BL	BL	BL	BL	NA	NA	NA	NA	NA
075	BL	BL	BL	Inc. ^(a)	NA	NA	NA	NA	NA
076	BL	BL	BL	BL	BL	BL	BL	BL	BL
077	BL	Inc. ^(a)	BL	BL	NA	NA	NA	NA	NA
078	BL	BL	BL	BL	BL	BL	BL	BL	BL
079	BL	BL	BL	BL	NA	NA	NA	NA	NA
080	BL	BL	BL	Inc. ^(a)	NA	NA	NA	NA	NA
081	BL	BL	BL	BL	Inc. ^(a)	BL	BL	BL	BL
082	BL	BL	BL	BL	BL	BL	BL	BL	BL
083	BL	BL	BL	BL	BL	BL	BL	BL	BL
084	BL	BL	BL	BL	BL	BL	BL	BL	BL
085	BL	BL	BL	BL	NA	NA	NA	NA	NA
087	BL	BL	BL	BL	BL	BL	BL	BL	BL
088	BL	BL	BL	BL	BL	BL	BL	BL	BL
089	BL	BL	BL	BL	BL	BL	BL	BL	BL
091	BL	BL	BL	BL	BL	BL	BL	BL	BL
092	BL	BL	BL	BL	BL	BL	BL	BL	BL
094	BL	BL	BL	BL	BL	BL	BL	BL	BL



Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Cr	Hg	Pb	Br	DEHP	BBP	DBP	DIBP
095	BL	BL	BL	BL	BL	BL	BL	BL	BL
097	BL	BL	BL	BL	BL	BL	BL	BL	BL
098	BL	BL	BL	BL	BL	BL	BL	BL	BL
100	BL	BL	BL	BL	BL	BL	BL	BL	BL
101	BL	BL	BL	BL	BL	BL	BL	BL	BL
103	BL	BL	BL	BL	BL	BL	BL	BL	BL
104	BL	BL	BL	BL	BL	BL	BL	BL	BL
106	BL	BL	BL	BL	BL	BL	BL	BL	BL
107	BL	BL	BL	BL	BL	BL	BL	BL	BL
108	BL	BL	BL	BL	BL	BL	BL	BL	BL
109	BL	BL	BL	BL	BL	BL	BL	BL	BL
110	BL	BL	BL	BL	BL	BL	BL	BL	BL
111	BL	BL	BL	BL	BL	BL	BL	BL	BL
112	BL	BL	BL	BL	BL	BL	BL	Inc. ^(a)	BL
113	BL	BL	BL	BL	BL	BL	BL	BL	BL
114	BL	BL	BL	BL	BL	BL	BL	BL	BL
115	BL	BL	BL	BL	BL	BL	BL	BL	BL
116	BL	BL	BL	BL	BL	BL	BL	Inc. ^(a)	BL
117	BL	BL	BL	BL	BL	BL	BL	BL	BL
118	BL	BL	BL	BL	BL	BL	BL	BL	BL
119	BL	BL	BL	BL	BL	BL	BL	BL	BL
120	BL	BL	BL	BL	BL	BL	BL	Inc. ^(a)	BL
121	BL	BL	BL	BL	BL	BL	BL	BL	BL
122	BL	BL	BL	BL	BL	BL	BL	BL	BL
123	BL	BL	BL	BL	BL	BL	BL	BL	BL
124	BL	BL	BL	BL	BL	BL	BL	BL	BL
125	BL	BL	BL	BL	BL	BL	BL	BL	BL
126	BL	BL	BL	BL	BL	BL	BL	BL	BL
127	BL	BL	BL	BL	BL	BL	BL	BL	BL
128	BL	BL	BL	BL	BL	BL	BL	BL	BL
129	BL	BL	BL	BL	BL	BL	BL	BL	BL



Note:

- "BL" denotes below limit
- "OL" denotes over limit
- "Inc." denotes inconclusive
- "NA" denotes not applicable
- "(a)" denotes further confirmation test was conducted, results are listed in 2.2, 2.3 and 2.4.

-XRF screening limits in mg/kg for regulated elements in various matrices

ELEMENT	POLYMER		
	BL	INCONCLUSIVE	OL
Cd	$X \leq (70-3\sigma)$	$(70-3\sigma) < X < (130+3\sigma)$	$X \geq (130+3\sigma)$
Pb	$X \leq (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X \geq (1300+3\sigma)$
Hg	$X \leq (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X \geq (1300+3\sigma)$
Br	$X \leq (300-3\sigma)$	$X > (300-3\sigma)$	NA
Cr	$X \leq (700-3\sigma)$	$X > (700-3\sigma)$	NA

ELEMENT	METAL		
	BL	INCONCLUSIVE	OL
Cd	$X \leq (70-3\sigma)$	$(70-3\sigma) < X < (130+3\sigma)$	$X \geq (130+3\sigma)$
Pb	$X \leq (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X \geq (1300+3\sigma)$
Hg	$X \leq (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X \geq (1300+3\sigma)$
Cr	$X \leq (700-3\sigma)$	$X > (700-3\sigma)$	NA

ELEMENT	COMPLEX MATERIAL		
	BL	INCONCLUSIVE	OL
Cd	$X \leq (50-3\sigma)$	$(50-3\sigma) < X < (150+3\sigma)$	$X \geq (150+3\sigma)$
Pb	$X \leq (500-3\sigma)$	$(500-3\sigma) < X < (1500+3\sigma)$	$X \geq (1500+3\sigma)$
Hg	$X \leq (500-3\sigma)$	$(500-3\sigma) < X < (1500+3\sigma)$	$X \geq (1500+3\sigma)$
Br	$X \leq (250-3\sigma)$	$X > (250-3\sigma)$	NA
Cr	$X \leq (500-3\sigma)$	$X > (500-3\sigma)$	NA

-Screening limits in mg/kg for regulated phthalates in various matrices

PTHALATES	BL	INCONCLUSIVE
DEHP	$X < 600$	$X \geq 600$
BBP	$X < 600$	$X \geq 600$
DBP	$X < 600$	$X \geq 600$
DIBP	$X < 600$	$X \geq 600$



2.2 HEAVY METAL CONTENT

Test method: With reference to EN 62321-4:2014 /A1:2017, EN 62321-5:2014, EN 62321-7-1:2015 and EN 62321-7-2:2017, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) and Ultraviolet-visible spectrophotometer (UV-Vis).

[Reporting Limit: 2.0 mg/kg for Cadmium; 10.0 mg/kg or 0.10 µg/cm² for Hexavalent Chromium, 10.0 mg/kg for Lead and Mercury.]

Sample No.	Result(s)				
	Total Cadmium	Hexavalent Chromium	Hexavalent Chromium	Total Mercury	Total Lead
004	--	--	--	--	2.71×10 ^{4(a)}
006	--	/	Negative	--	--
009	11.6	--	--	--	--
020	--	/	Negative	--	--
021	<2.0	--	--	--	--
023	--	/	Negative	--	--
025	--	/	Negative	--	--
029	--	/	Negative	--	--
033	--	--	--	--	286.5
034	--	--	--	--	3.03×10 ^{4(a)}
035	--	/	Negative	--	--
041	--	/	Negative	--	--
043	--	/	Negative	--	--
047	--	/	Negative	--	--
052	--	/	Negative	--	--
061	--	/	Negative	--	--
075	--	--	--	--	167.7
077	--	/	Negative	--	--
080	--	--	--	--	164.5
Unit	mg/kg	mg/kg	µg/cm ²	mg/kg	mg/kg
RoHS Requirement	100	1000	Negative [#]	1000	1000

Note:

- "mg/kg" denotes milligram per kilogram
- "µg/cm²" denotes micrograms per square centimeter
- "<" denotes less than
- "Negative" denotes the absorbance value of sample is < 0.10 µg/cm², the sample is considered to be negative for Hexavalent Chromium.



- "#" According to DIRECTIVE 2011/65/EU Article 4(1) and Annex II. While, positive means the presence of CrVI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1) and Annex II.
- "--" denotes tested by XRF, result is listed in 2.1
- "(a)" denotes the exempt item according to DIRECTIVE 2011/65/EU Annex III item 6(c) "Copper alloy containing up to 4 % lead by weight".





2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

Test Method: With reference to EN 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 5 mg/kg]

Test Item		Result(s) [mg/kg]		RoHS Requirement [mg/kg]
		Sample 032+062	Sample 042+069+081	
PBBs	Monobromobiphenyl	<5	<5	Sum of PBBs 1000
	Dibromobiphenyl	<5	<5	
	Tribromobiphenyl	<5	<5	
	Tetrabromobiphenyl	<5	<5	
	Pentabromobiphenyl	<5	<5	
	Hexabromobiphenyl	<5	<5	
	Heptabromobiphenyl	<5	<5	
	Octabromobiphenyl	<5	<5	
	Nonabromobiphenyl	<5	<5	
	Decabromobiphenyl	<5	<5	
	Sum of detected PBBs	<50	<50	
PBDEs	Monobromodiphenyl ether	<5	<5	Sum of PBDEs 1000
	Dibromodiphenyl ether	<5	<5	
	Tribromodiphenyl ether	<5	<5	
	Tetrabromodiphenyl ether	<5	<5	
	Pentabromodiphenyl ether	<5	<5	
	Hexabromodiphenyl ether	<5	<5	
	Heptabromodiphenyl ether	<5	<5	
	Octabromodiphenyl ether	<5	<5	
	Nonabromodiphenyl ether	<5	<5	
	Decabromodiphenyl ether	<5	<5	
	Sum of detected PBDEs	<50	<50	

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than



2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

Test Method: With reference to EN 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 5 mg/kg]

Test Item		Result(s) [mg/kg]	RoHS Requirement [mg/kg]
		Sample 046	
PBBs	Monobromobiphenyl	<5	Sum of PBBs 1000
	Dibromobiphenyl	<5	
	Tribromobiphenyl	<5	
	Tetrabromobiphenyl	<5	
	Pentabromobiphenyl	<5	
	Hexabromobiphenyl	<5	
	Heptabromobiphenyl	<5	
	Octabromobiphenyl	<5	
	Nonabromobiphenyl	<5	
	Decabromobiphenyl	<5	
	Sum of detected PBBs	<50	
PBDEs	Monobromodiphenyl ether	<5	Sum of PBDEs 1000
	Dibromodiphenyl ether	<5	
	Tribromodiphenyl ether	<5	
	Tetrabromodiphenyl ether	<5	
	Pentabromodiphenyl ether	<5	
	Hexabromodiphenyl ether	<5	
	Heptabromodiphenyl ether	<5	
	Octabromodiphenyl ether	<5	
	Nonabromodiphenyl ether	<5	
	Decabromodiphenyl ether	<5	
	Sum of detected PBDEs	<50	

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than



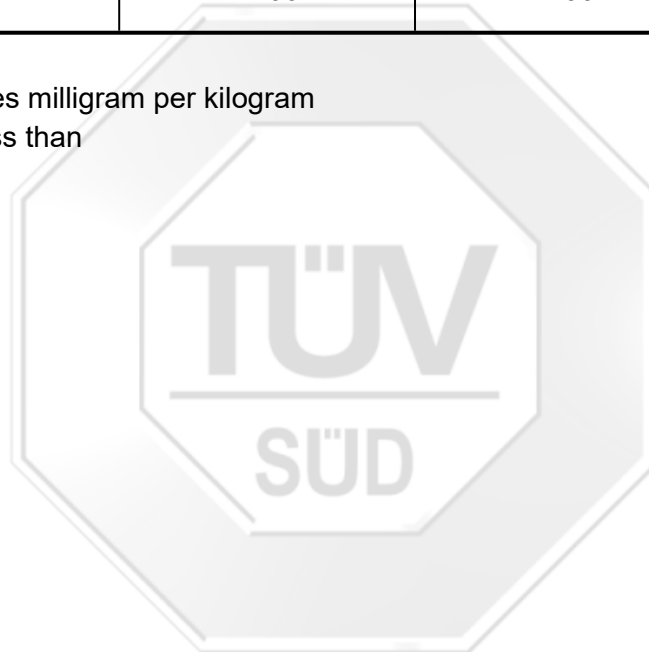
2.4 PHTHALATES (DEHP, BBP, DBP and DIBP) CONTENT TEST

Test method: With reference to EN 62321-8:2017, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 100 mg/kg]

Test Item	Result(s) [mg/kg]		RoHS Requirement [mg/kg]
	Sample 045+046	Sample 112+116+120	
Di-(2-ethyl-hexyl) Phthalate (DEHP)	<100	<100	1000
Butyl-benzyl Phthalate (BBP)	<100	<100	1000
Di-butyl Phthalate (DBP)	158	130	1000
Di-iso-butyl Phthalate (DIBP)	<100	<100	1000



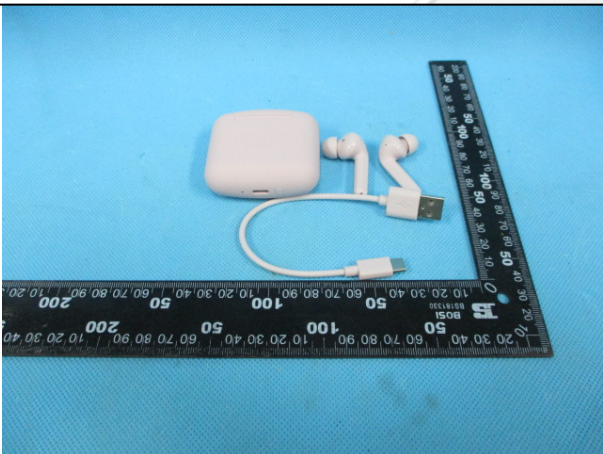



Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than



APPENDIX I:

Photos of submitted products

	
Twins 1 Tip TWS Earph. Dreamy Lilac	Twins 1 TWS Earph. Dreamy Lilac
	
Twins 1 Tip TWS Earph. Icy Grey	Twins 1 TWS Earph. Icy Grey
	
Twins 1 Tip TWS Earph. Safari Red	Twins 1 TWS Earph. Safari Red



Twins 1 Tip TWS Earph. Steel Blue



Twins 1 TWS Earph. Steel Blue



Twins 1 Tip TWS Earph. Dried Green



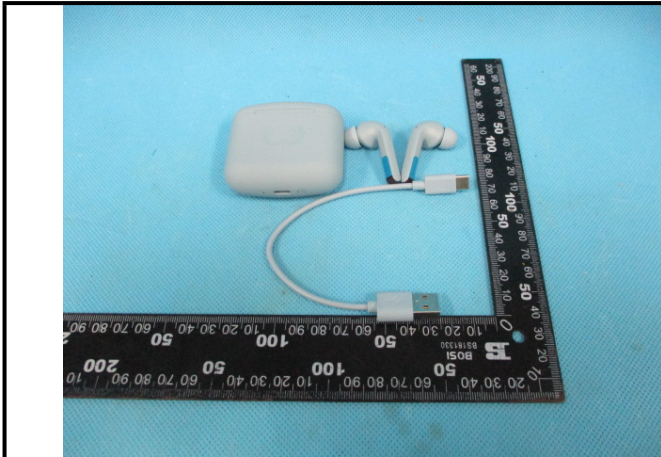
Twins 1 TWS Earph. Dried Green



Twins 1 Tip TWS Earph. Smokey Pink



Twins 1 TWS Earph. Smokey Pink



Twins 1 Tip TWS Earph. Dusky Blue



Twins 1 TWS Earph. Dusky Blue



Twins 1 Tip TWS Earph. Storm Grey



Twins 1 TWS Earph. Storm Grey

-----End of Report-----