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Client: **YONGKANG TENGRUN ELECTRONIC CO LTD**

Contact Information: No. 1, 25/F, Jinpin Mansion, Headquarters Center, Yongkang, Jinhua, Zhejiang, P. R. China

Test item(s): 473 materials

Identification/  
Model No(s): AIR CONDITIONER  
Please refer to page 2-3

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2022-09-26, 2022-10-26, 2022-10-28, 2022-11-01, 2022-11-03

Testing Period: 2022-10-08 - 2022-11-08

Place of testing: Chemical laboratory Guangzhou

Test Specification:	Test result:
1. Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE), ROHS Phthalates (BBP, DBP, DEHP, DIBP) According to RoHS(recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU Annex II and its amendment Directive (EU) 2015/863	PASS

Other information:

The report 170318745d 002 supersedes report 170318745d 001.

For and on behalf of  
TÜV Rheinland (Guangdong) Ltd.

*Elaine Zhang*

2023-03-14

Elaine Zhang / Assistant Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.  
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.  
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

**TestReportNo.: 170318745b001**

**Remark: According to customer's declaration, the following models are used the same materials as tested model.**

A0\* -#KR/&%, A0\* -#KRH/&%,

A0\* -#KR5/&%, A0\* -#KRH5/&%,

JHS-A0\* -#KR/&%, JHS-A0\* -#KRH/&%,

JHS-A0\* -#KR5/&%, JHS-A0\* -#KRH5/&%,

JHS-A0\* -#KR/&%S, JHS-A0\* -#KRH/&%S

(\* = 01, 02 to 99; # = 03, 04, to 18; & = A, B to Z; % = A, B to Z, or 1, 2 to 9 or blank.

E.g: A001-08KR/C, A002-10KRH5/B1, JHS-A018-10KR5/E, JHS-A020-12KRH/AS)

JHS-A0\*&% -#KR-D, JHS-A0\*&% -#KRH-D,

JHS-A0\*&% -#KR-D3, JHS-A0\*&% -#KRH-D3,

(\* = 01, 02 to 99; # = 03, 04, to 18; & = A, B to Z; % = A, B to Z, or 1, 2 to 9 or blank.

(E.g: JHS-A016C1-07KR-D3, JHS-A020BA-07KR-D)

JHS-A0\* -#KR2/&%, JHS-A0\* -#KR2H/&%,

JHS-A0\* -#KR2/&%-A, JHS-A0\* -#KR2H/&%-A,

JHS-A0\* -#KR2/&%-W, JHS-A0\* -#KR2H/&%-W,

JHS-A0\* -#KR2/&%-AW, JHS-A0\* -#KR2H/&%-AW,

(\* = 01, 02 to 99; # = 03, 04, to 18; & = A, B to Z; % = A, B to Z, or 1, 2 to 9 or blank.

(E.g: JHS-A016-08KR2H/D1-W, JHS-A030-09KR2/A-W)

JHS-A0\*&% -#KR2, JHS-A0\*&% -#KR2H,

A0\* -#KR2/&%, A0\* -#KR2H/&%

(\* = 01, 02 to 99; # = 03, 04, to 18; & = A, B to Z; % = 1, 2 to 9 or blank. E.g: JHS-A016D2-09KR2, A016-08KR2H/A2)

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PA0\*&%-#KR, PA0\*&%-#KRH, PA0\*&%-#kR, PA0\*&%-#kRH,

(\* = 01, 02 to 99; # = 03, 04, to 18; & = A, B to Z; % = A, B to Z, or 1, 2 to 9 or blank.

E.g: PA001A-08KR, PA001A-07kRH)

JHS-F0\*-\*KR,

(\* = 01, 02 to 99; # = 05, 06, to 18.

E.g: JHS-F001-07KR, JHS-F002-08KR)

A002BPY-18KR/A, A002BPY-18KR/B, A002BPY-18KR/B1

F001-07KR/A, F001-08KR/A

Dehumidifier:

D0\*&%-\*Pt, D0\*&%-\*Pt-P,

D0\*&%-\*Pt1, D0\*&%-\*Pt1-P,

D0\*&%-\*Pt3, D0\*&%-\*Pt3-P

(\* = 01, 02 to 99; & = A, B to Z; % = A, B to Z, or 1, 2 to 9 or blank.

E.g: D025A-25Pt, D026H-40Pt1, D026M-50Pt3-P)

D0\*R2&%-\*L, D0\*&%-\*L, D0\*&%-\*A\*, JHS-D0\*-\*L/&%

(\* = 01, 02 to 99; & = A, B to Z; % = A, B to Z, or 1, 2 to 9 or blank.

E.g: D011R2A-12L, D020R2CB-10L, D001A-08L, D002E-16A53, JHS-D018-16L/AC)

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Material List:

Item: AIR CONDITIONER

Please refer to page 2-3

Material No.	Material	Color	Location
A001	Plastic	white	Refer to photo
A002	Plastic	brown	Refer to photo
A003	Plastic	blue	Refer to photo
A004	Plastic + printing	yellow/ green	Refer to photo
A005	Metal	coppery	Refer to photo
A006	Plastic	white	Refer to photo
A007	Metal	silvery	Refer to photo
A008	Plastic	black	Refer to photo
A009	Metal	silvery	Refer to photo
A010	Plastic + printing	white/ black	Refer to photo
A011	Plastic	black	Refer to photo
A012-1	Plastic	translucent	Refer to photo (retest of A012)
A013	Plastic	black	Refer to photo
A014	Plastic	white	Refer to photo
A015	Plastic + printing + adhesive	silvery/ black/ yellow	Refer to photo
A016	Plastic	white	Refer to photo
A017	Plastic	white	Refer to photo
A018	Plastic	beige	Refer to photo
A019	Plastic	black	Refer to photo
A020	Plastic	white	Refer to photo
A021	Metal + plating	silvery/ light blue	Refer to photo
A022	Plastic	black	Refer to photo
A023	Plastic	black	Refer to photo
A024	Metal + plating	silvery/ light blue	Refer to photo
A025	Metal	silvery	Refer to photo
A026	Plastic	black	Refer to photo
A027	Foam + adhesive	dark grey	Refer to photo
A028*	Foam + adhesive	dark grey	Refer to photo

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A028-1	Foam + adhesive	dark grey	Refer to photo (retest of A028, same as A269 <sup>§</sup> )
A029	Plastic	beige	Refer to photo
A030a	Coating	black	Refer to photo
A030b	Metal	silvery	Refer to photo
A031	Metal	silvery	Refer to photo
A032	Metal	silvery	Refer to photo
A033	Metal + plating	silvery/ black	Refer to photo
A034	Metal	silvery	Refer to photo
A035	Plastic	black	Refer to photo
A036	Plastic + printing + adhesive	silvery/ black/ blue	Refer to photo
A037	Plastic + printing + adhesive	white/ yellow/ black/ green	Refer to photo
A038	Plastic	black	Refer to photo
A039	Plastic	translucent white	Refer to photo
A040	Component(s)	red	Refer to photo
A041	Component(s)	white	Refer to photo
A042	Metal + plating	silvery/ golden	Refer to photo
A043	Metal + plating	silvery/ black	Refer to photo
A044	Metal	silvery	Refer to photo
A045	Metal	light golden	Refer to photo
A046	Metal	silvery	Refer to photo
A047	Metal	silvery	Refer to photo
A048	Oil	transparent	Refer to photo
A049	Plastic	brown	Refer to photo
A050	Coated textile	white	Refer to photo
A051	Plastic + adhesive	translucent	Refer to photo
A052	Metal	coppery	Refer to photo
A053	Plastic	white	Refer to photo
A054	Metal	silvery	Refer to photo
A055	Component(s)	green	Refer to photo
A056	Metal + plating	silvery/ black	Refer to photo

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A057	Plastic	black	Refer to photo
A058	Plastic	black	Refer to photo
A059	Plastic + printing + adhesive	silvery/ black	Refer to photo
A060	Metal	silvery	Refer to photo
A061	Plastic	transparent	Refer to photo
A062	Metal	silvery	Refer to photo
A063	Plastic + printing	black/ white	Refer to photo
A064	Plastic + printing	white/ pink	Refer to photo
A065	Plastic	red	Refer to photo
A066	Plastic	white	Refer to photo
A067	Metal	silvery	Refer to photo
A068	Metal	silvery	Refer to photo
A069	Plastic	black	Refer to photo
A070	Metal	silvery	Refer to photo
A071	Plastic + printing + adhesive	golden/ black	Refer to photo
A072	Plastic + printing + adhesive	golden/ white/ black	Refer to photo
A073	Plastic	translucent red	Refer to photo
A074	Plastic	translucent	Refer to photo
A075	Metal	silvery	Refer to photo
A076	Metal	silvery	Refer to photo
A077	Plastic	black	Refer to photo
A078	Foam + adhesive	black	Refer to photo
A079	Plastic	black	Refer to photo
A080	Metal	silvery	Refer to photo
A081	Electronic components	white	Refer to photo
A082	Metal	golden	Refer to photo
A083	Plastic + adhesive	transparent	Refer to photo
A084	Plastic + printing	white/ black	Refer to photo
A085	Metal	silvery	Refer to photo
A086	Glue	translucent	Refer to photo

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A087	PCB board	white	Refer to photo
A088	Plastic	black	Refer to photo
A089	Plastic + printing	black/ white	Refer to photo
A090	Metal	silvery	Refer to photo
A091	Plastic	white	Refer to photo
A092	Electronic components	black	Refer to photo
A093	Electronic components	black	Refer to photo
A094	Solder	silvery	Refer to photo
A095	PCB board	green/ beige	Refer to photo
A096	Plastic	transparent blue	Refer to photo
A097	Plastic + printing	dull red/ white	Refer to photo
A098	Metal	silvery	Refer to photo
A099	Metal	silvery	Refer to photo
A100	Plastic + printing	black/ white	Refer to photo
A101	Plastic + printing	black/ white	Refer to photo
A102	Plastic + printing	yellow/ black	Refer to photo
A103	Plastic + printing	red/ black	Refer to photo
A104	Plastic + printing	blue/ white	Refer to photo
A105	Plastic + printing	orange/ black	Refer to photo
A106	Plastic	orange red	Refer to photo
A107	Metal	silvery	Refer to photo
A108	Plastic + printing	yellow/ green	Refer to photo
A109	Metal	silvery	Refer to photo
A110	Plastic + printing	black/ white	Refer to photo
A111	Plastic	blue	Refer to photo
A112	Metal	silvery	Refer to photo
A113	Plastic	pink	Refer to photo
A114	Plastic	orange	Refer to photo
A115	Plastic	yellow	Refer to photo
A116	Plastic	red	Refer to photo
A117	Paper + printing + adhesive	white/ black/ green	Refer to photo
A118	Metal	silvery	Refer to photo

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A119	Metal	silvery	Refer to photo
A120	Metal	silvery	Refer to photo
A121	Metal	silvery	Refer to photo
A122	Plastic	white	Refer to photo
A123	Magnet	black	Refer to photo
A124	Metal	silvery	Refer to photo
A125	Metal	silvery	Refer to photo
A126	Plastic	beige	Refer to photo
A127	Plastic	beige	Refer to photo
A128	Metal	silvery	Refer to photo
A129	Metal	coppery	Refer to photo
A130	Solder	silvery	Refer to photo
A131	PCB board	green	Refer to photo
A132	Plastic + printing	black/ white	Refer to photo
A133	Plastic	black	Refer to photo
A134	Metal	silvery	Refer to photo
A135	Plastic	dull red	Refer to photo
A136	Plastic	black	Refer to photo
A137	Electronic components	transparent/ red	Refer to photo
A138	Plastic + printing	black/ white	Refer to photo
A139	Plastic	red	Refer to photo
A140	Metal	silvery	Refer to photo
A141	Plastic	black	Refer to photo
A142	Plastic	red	Refer to photo
A143	Glue	light beige	Refer to photo
A144	Plastic	white	Refer to photo
A145	Plastic	white	Refer to photo
A146	Magnet	black	Refer to photo
A147	Metal	silvery	Refer to photo
A148	Electronic components	transparent green	Refer to photo
A149	Plastic	blue	Refer to photo
A150	Plastic + printing	red/ black	Refer to photo



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A151	Metal	silvery	Refer to photo
A152	Plastic	red	Refer to photo
A153	Plastic	black	Refer to photo
A154	Metal	silvery	Refer to photo
A155	Plastic	black	Refer to photo
A156	Plastic	orange	Refer to photo
A157	Plastic	beige	Refer to photo
A158	Plastic + printing + adhesive	silvery/ black/ blue	Refer to photo
A159	Glue	black	Refer to photo
A160	Solder	silvery	Refer to photo
A161	PCB board	green/ brown	Refer to photo
A162	Electronic components	black	Refer to photo
A163	Electronic components	black	Refer to photo
A164	Plastic + printing	transparent/ black	Refer to photo
A165	Plastic	black	Refer to photo
A166	Metal	silvery	Refer to photo
A167	Metal + plating	silvery/ light blue	Refer to photo
A168	Metal	silvery	Refer to photo
A169	Metal	brassy	Refer to photo
A170	Plastic	black	Refer to photo
A171	Metal + plating	silvery/ black	Refer to photo
A172	Metal	coppery	Refer to photo
A173	Plastic	black	Refer to photo
A174	PCB board	beige/ green	Refer to photo
A175	Metal	silvery	Refer to photo
A176	Plastic	dark beige	Refer to photo
A177	Metal	silvery	Refer to photo
A178	Electronic components	black	Refer to photo
A179	Plastic	transparent	Refer to photo
A180	Electronic components	brown	Refer to photo
A181	Metal	silvery	Refer to photo
A182	Ceramic	beige	Refer to photo

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A183	Metal	silvery	Refer to photo
A184	Component(s)	white	Refer to photo
A185	Plastic + printing	yellow/ grey	Refer to photo
A186	Plastic	yellow	Refer to photo
A187	Glue	white	Refer to photo
A188	Metal	silvery	Refer to photo
A189	Electronic components	green/ multi-color	Refer to photo
A190	Plastic + printing	green/ golden	Refer to photo
A191	Metal	silvery	Refer to photo
A192	Plastic	black	Refer to photo
A193	Electronic components	blue	Refer to photo
A194	Electronic components	red	Refer to photo
A195	Electronic components	black	Refer to photo
A196	Plastic + printing + adhesive	transparent/ black	Refer to photo
A197	Plastic	black	Refer to photo
A198	Magnet	black	Refer to photo
A199	Plastic	orange	Refer to photo
A200	Metal	coppery	Refer to photo
A201	Plastic	transparent	Refer to photo
A202	Electronic components	black	Refer to photo
A203	Plastic + printing	black/ golden	Refer to photo
A204	Plastic	red	Refer to photo
A205	Metal	silvery	Refer to photo
A206	Plastic	white	Refer to photo
A207	Plastic	blue	Refer to photo
A208	Plastic + printing	grey/ beige	Refer to photo
A209	Plastic	black	Refer to photo
A210	Plastic	silver-grey	Refer to photo
A211	Plastic + printing	black/ beige	Refer to photo
A212	Plastic	white	Refer to photo
A213	Metal	silvery	Refer to photo
A214	Metal	coppery	Refer to photo

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A215	Plastic	black	Refer to photo
A216	Metal	silvery	Refer to photo
A217	Metal	coppery	Refer to photo
A218	Plastic	white	Refer to photo
A219	Metal + plating	silvery/ coppery	Refer to photo
A220	Metal	coppery	Refer to photo
A221	Metal	silvery	Refer to photo
A222	Plastic + printing	black/ beige	Refer to photo
A223	Plastic	black	Refer to photo
A224	Metal	silvery	Refer to photo
A225	Plastic	black	Refer to photo
A226	Plastic	dark grey	Refer to photo
A227	Metal	silvery/ coppery	Refer to photo
A228	Solder	silvery	Refer to photo
A229	Electronic components	black	Refer to photo
A230	Electronic components	black	Refer to photo
A231	Electronic components	black	Refer to photo
A232	Electronic components	black	Refer to photo
A233	Electronic components	black	Refer to photo
A234	Metal	silvery	Refer to photo
A235	Plastic	black	Refer to photo
A236	Metal	silvery	Refer to photo
A237	Paper + printing + adhesive	white/ black	Refer to photo
A238	Plastic	white	Refer to photo
A239	Plastic	green	Refer to photo
A240	Metal	silvery	Refer to photo
A241	Metal	silvery	Refer to photo
A242	Component(s)	brown	Refer to photo
A243	Plastic	translucent	Refer to photo
A244	Plastic + printing	grey/ black	Refer to photo
A245	Metal	silvery	Refer to photo
A246	Component(s)	grey	Refer to photo

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A247	Plastic	silvery	Refer to photo
A248	Solder	silvery	Refer to photo
A249	Plastic	black	Refer to photo
A250	Glue	translucent	Refer to photo
A251*	Foam material	black	Refer to photo
A251-1	Foam material	black	Refer to photo (retest of A251)
A252-1	Plastic	transparent	Refer to photo (retest of A252)
A253	Metal	coppery	Refer to photo
A254	Metal	coppery	Refer to photo
A255	Metal + plating	silvery/ light blue	Refer to photo
A256	Metal	coppery	Refer to photo
A257	Metal	silvery	Refer to photo
A258	Metal + plating	coppery/ red	Refer to photo
A259	Foam + adhesive	dark grey	Refer to photo
A260	Foam + adhesive	dark grey	Refer to photo
A261	Metal	silvery	Refer to photo
A262	Metal	coppery	Refer to photo
A263	Metal	coppery	Refer to photo
A264	Metal	coppery	Refer to photo
A265	Metal	coppery	Refer to photo
A266	Plastic	black	Refer to photo
A267	Plastic + printing + adhesive	silvery/ black/ yellow	Refer to photo
A268	Component(s)	transparent/ black	Refer to photo
A269*	Foam + adhesive	grey	Refer to photo
A270	Coating	black	Refer to photo
A271	Paper + printing + adhesive	white/ pink/ black/ yellow	Refer to photo
A272	Plastic	black	Refer to photo
A273	Metal + plating	silvery/ light blue	Refer to photo
A274	Plastic	black	Refer to photo
A275	Plastic	black	Refer to photo
A276	Metal	coppery	Refer to photo

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A277	Metal	silvery	Refer to photo
A278	Metal	silvery	Refer to photo
A279	Metal + plating	silvery/ black	Refer to photo
A280a	Metal	coppery	Refer to photo
A281a	Metal	silvery	Refer to photo
A282a	Metal	black	Refer to photo
A283a	Metal	silvery	Refer to photo
A284a	Metal	coppery	Refer to photo
A285	Ceramic	black	Refer to photo
A286	Plastic	beige	Refer to photo
A287	Plastic + printing	white/ black/ red	Refer to photo
A288	Metal	silvery	Refer to photo
A289	Metal	silvery	Refer to photo
A290	Plastic	black	Refer to photo
A291	Metal	silvery	Refer to photo
A292	Metal	silvery	Refer to photo
A293	Metal	coppery	Refer to photo
A294	Metal	coppery/ red	Refer to photo
A295	Coated textile	white	Refer to photo
A296	Plastic	white	Refer to photo
A297	Metal	silvery	Refer to photo
A298	Metal	silvery	Refer to photo
A299	Metal	silver-grey	Refer to photo
A300	Metal	brassy	Refer to photo
A301	Plastic	white	Refer to photo
A302	Oil	transparent	Refer to photo
A303	Metal + plating	silvery/ light blue	Refer to photo
A304	Plastic	black	Refer to photo
A305	Metal + plating	silvery/ light blue	Refer to photo
A306	Metal + plating	silvery/ light blue	Refer to photo
A307	Metal + plating	silvery/ light blue	Refer to photo
A308	Metal + plating	silvery/ light blue	Refer to photo

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A309	Metal + plating	silvery/ light blue	Refer to photo
A310	Metal + plating	silvery/ multi-color	Refer to photo
A311	Metal + plating	silvery/ light blue	Refer to photo
A312	Metal + plating	silvery/ light blue	Refer to photo
A313	Metal + plating	silvery/ light blue	Refer to photo
A314	Metal + plating	silvery/ light blue	Refer to photo
A315	Metal + plating	silvery/ light blue	Refer to photo
A316	Metal + plating	silvery/ light blue	Refer to photo
A317	Plastic	white	Refer to photo
A318	Plastic	white	Refer to photo
A319	Coated textile	white	Refer to photo
A320	Textile	white	Refer to photo
A321	Plastic	white	Refer to photo
A322	Textile	white	Refer to photo
A323	Plastic	white	Refer to photo
A324a	Coating	white	Refer to photo
A324b	Metal	silvery	Refer to photo
A325	Plastic	white	Refer to photo
A326	Plastic + adhesive	white	Refer to photo
A327	Plastic + printing	pink/ black	Refer to photo
A328	Plastic + printing	white/ black	Refer to photo
A329a	Plastic	transparent	Refer to photo
A329b	Coating	black	Refer to photo
A330	Plastic + adhesive	transparent	Refer to photo
A331	Metal	silvery	Refer to photo
A332	Paper + printing + adhesive	white	Refer to photo
A333	PCB board	brown/ green	Refer to photo
A334	Metal	silvery	Refer to photo
A335	Metal	silvery	Refer to photo
A336	Plastic	transparent	Refer to photo
A337	Plastic + printing	black/ white	Refer to photo
A338	Metal	silvery	Refer to photo

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A339	Plastic	black	Refer to photo
A340	Plastic	black	Refer to photo
A341	Glass	transparent	Refer to photo
A342	Plastic + adhesive	silvery	Refer to photo
A343	Plastic + adhesive	transparent grey	Refer to photo
A344	Electronic components	black	Refer to photo
A345	Solder	silvery	Refer to photo
A346	Metal	silver-grey	Refer to photo
A347	Metal	silver-grey	Refer to photo
A348	Metal	silvery	Refer to photo
A349	Metal	silvery	Refer to photo
A350	Metal	silvery	Refer to photo
A351	Metal	silvery	Refer to photo
A352	Metal	silvery	Refer to photo
A353	Metal	coppery	Refer to photo
A354	Metal	silvery	Refer to photo
A355	Metal	silvery	Refer to photo
A356	Plastic	grey	Refer to photo
A357	Plastic + printing + adhesive	transparent/ black	Refer to photo
A358	Plastic	grey	Refer to photo
A359	Plastic	grey	Refer to photo
A360	Plastic	transparent	Refer to photo
A361	Metal	silvery	Refer to photo
A362	Metal	silvery	Refer to photo
A363	Metal	silvery	Refer to photo
A364	Plastic	white	Refer to photo
A365	Metal	silvery	Refer to photo
A366	Plastic	translucent white	Refer to photo
A367	Plastic	black	Refer to photo
A368	Plastic	black	Refer to photo
A369	Plastic	black	Refer to photo
A370	Metal	silvery	Refer to photo



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A371	Metal	silvery	Refer to photo
A372	Plastic	grey	Refer to photo
A373	Plastic	grey	Refer to photo
A374	Metal	silvery	Refer to photo
A375	Metal	silvery	Refer to photo
A376	Plastic	black	Refer to photo
A377	Plastic	black	Refer to photo
A378	Plastic	black	Refer to photo
A379	Metal	golden	Refer to photo
A380	Plastic	white	Refer to photo
A381	Metal	silvery	Refer to photo
A382	Ceramic	offwhite/ grey	Refer to photo
A383	Metal	silvery	Refer to photo
A384	Component(s)	beige	Refer to photo
A385	Plastic + printing	black/ white	Refer to photo
A386	Metal	silvery	Refer to photo
A387	Plastic + printing	black/ beige	Refer to photo
A388	Plastic	black	Refer to photo
A389	Plastic + printing	black/ white	Refer to photo
A390	Plastic	transparent light blue	Refer to photo
A391	Plastic + printing	light blue/ white	Refer to photo
A392	Metal	silvery	Refer to photo
A393	Metal + plating	silvery/ multi-color	Refer to photo
A394	Plastic + printing	black/ white	Refer to photo
A395	Metal	coppery	Refer to photo
A396	Plastic + printing + adhesive	white/ pink	Refer to photo
A397	Metal	silvery	Refer to photo
A398	Metal	golden	Refer to photo
A399	Metal	coppery	Refer to photo
A400	Metal	silvery	Refer to photo
A401	Metal	coppery	Refer to photo
A402	Metal	coppery	Refer to photo



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A403	Solder	silvery	Refer to photo
A404	Plastic	white	Refer to photo
A405	Metal	silvery	Refer to photo
A406	Metal	silvery	Refer to photo
A407	Plastic + printing	black/ white	Refer to photo
A408	Plastic + printing	black/ white	Refer to photo
A409	Plastic + printing	black/ white	Refer to photo
A410	Plastic + printing	white/ black	Refer to photo
A411	Metal	silvery	Refer to photo
A412	Plastic	light blue	Refer to photo
A413	Plastic	pink	Refer to photo
A414	Plastic	black	Refer to photo
A415	Plastic	green	Refer to photo
A416	Plastic + printing + adhesive	white/ black	Refer to photo
A417	Plastic	black	Refer to photo
A418	Plastic	beige	Refer to photo
A419	Plastic + printing + adhesive	golden/ white/ black	Refer to photo
A420	Metal	silvery	Refer to photo
A421	Electronic components	black	Refer to photo
A422	Electronic components	black	Refer to photo
A423	Electronic components	multi-color	Refer to photo
A424	Electronic components	black	Refer to photo
A425	PCB board	green	Refer to photo
A426	PCB board	black	Refer to photo
A427	Plastic + printing	black/ white	Refer to photo
A428	Plastic	blue	Refer to photo
A429	Metal	coppery	Refer to photo
A430	Plastic	beige	Refer to photo
A431	Plastic + printing	yellow/ green/ black	Refer to photo
A432	Plastic + adhesive	silvery/ black	Refer to photo
A433	Plastic	black	Refer to photo

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A434	Metal + plating	silvery/ black	Refer to photo
A435	Metal + plating	coppery/ black	Refer to photo
A436	Metal	silvery	Refer to photo
A437	Plastic + printing + adhesive	silvery/ black	Refer to photo
A438	Paper + adhesive	dark yellow	Refer to photo
A439	Plastic + adhesive	yellow	Refer to photo
A440	Plastic + Textile	white	Refer to photo
A441	Plastic	orange	Refer to photo
A442	Metal	silvery	Refer to photo
A443	Glue	white	Refer to photo
A444	Plastic + printing	light yellow	Refer to photo
A445	Metal	silvery	Refer to photo
A446	Metal	coppery	Refer to photo
A447	Metal	silvery	Refer to photo
A448	Metal	silvery	Refer to photo
A449	Metal	silvery	Refer to photo
A450	Metal	silvery	Refer to photo
A451	Metal	silvery	Refer to photo
A452	Metal	silver-grey	Refer to photo
A453	Metal	silvery	Refer to photo
A454	Metal	brassy	Refer to photo
A455	Coated textile	yellow	Refer to photo
A456	Metal	silvery	Refer to photo
A457	Metal + plating	silvery/ black	Refer to photo
A458	Plastic	black	Refer to photo
A459	Metal + plating	silvery/ blue	Refer to photo
A460	Plastic	black	Refer to photo
A461	Plastic	beige	Refer to photo
A462	Metal	silvery	Refer to photo
A463	Plastic + adhesive	yellow	Refer to photo
A464	Plastic	white	Refer to photo
A465	Plastic	white	Refer to photo

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A466	Metal	golden	Refer to photo
A467	Metal	golden	Refer to photo
A468	Plastic + printing + adhesive	white/ blue	Refer to photo

Remark: The materials marked (\*) need not be shown in this report according to client's requirement. However, the samples are composite sample containing the above marked materials, so they are still listed here.

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**1.Screening Test by XRF spectroscopy**

Test Method: Cadmium, Lead, Mercury, Chromium, Bromine  
 -- With reference to IEC 62321-3-1:2013

**Test Result:**

Material No.	Cd	Cr	Pb	Hg	Br
A001	BL	BL	BL	BL	BL
A002	BL	BL	BL	BL	BL
A003	BL	BL	BL	BL	BL
A004	BL	BL	BL	BL	BL
A005	BL	BL	BL	BL	n.a.
A006	BL	BL	BL	BL	BL
A007	BL	BL	BL	BL	n.a.
A008	BL	BL	BL	BL	d.(*1)
A009	BL	d.(*1)	BL	BL	n.a.
A010	BL	BL	BL	BL	BL
A011	BL	BL	BL	BL	BL
A012-1	BL	BL	BL	BL	BL
A013	BL	BL	BL	BL	BL
A014	BL	BL	BL	BL	BL
A015	BL	BL	BL	BL	BL
A016	BL	BL	BL	BL	BL
A017	BL	BL	BL	BL	BL
A018	BL	BL	BL	BL	BL
A019	BL	BL	BL	BL	BL
A020	BL	BL	BL	BL	BL
A021	BL	BL	BL	BL	n.a.
A022	BL	BL	BL	BL	BL
A023	BL	BL	BL	BL	BL
A024	BL	BL	BL	BL	n.a.
A025	BL	BL	BL	BL	n.a.
A026	BL	BL	BL	BL	BL
A027	BL	BL	BL	BL	BL
A028-1	BL	BL	BL	BL	BL
A029	BL	BL	BL	BL	BL
A030a	BL	BL	BL	BL	BL
A030b	BL	BL	BL	BL	n.a.
A031	BL	d.(*1)	BL	BL	n.a.
A032	BL	BL	BL	BL	n.a.
A033	BL	d.(*1)	BL	BL	n.a.
A034	BL	BL	BL	BL	n.a.
A035	BL	BL	BL	BL	BL
A036	BL	BL	BL	BL	BL

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A037	BL	BL	BL	BL	BL
A038	BL	BL	BL	BL	BL
A039	BL	BL	BL	BL	BL
A040	BL	BL	BL	BL	BL
A041	BL	BL	BL	BL	BL
A042	BL	BL	BL	BL	n.a.
A043	BL	d.(*1)	BL	BL	n.a.
A044	BL	d.(*1)	BL	BL	n.a.
A045	BL	d.(*1)	BL	BL	n.a.
A046	BL	d.(*1)	BL	BL	n.a.
A047	BL	d.(*1)	BL	BL	n.a.
A048	BL	BL	BL	BL	BL
A049	BL	BL	BL	BL	BL
A050	BL	BL	BL	BL	BL
A051	BL	BL	BL	BL	BL
A052	BL	BL	BL	BL	n.a.
A053	BL	BL	BL	BL	BL
A054	BL	d.(*1)	BL	BL	n.a.
A055	BL	BL	BL	BL	BL
A056	BL	BL	BL	BL	n.a.
A057	BL	BL	BL	BL	BL
A058	BL	BL	BL	BL	BL
A059	BL	BL	BL	BL	BL
A060	BL	BL	BL	BL	n.a.
A061	BL	BL	BL	BL	BL
A062	BL	BL	BL	BL	n.a.
A063	BL	BL	BL	BL	BL
A064	BL	BL	BL	BL	BL
A065	BL	BL	BL	BL	BL
A066	BL	BL	BL	BL	BL
A067	BL	BL	BL	BL	n.a.
A068	BL	BL	BL	BL	n.a.
A069	BL	BL	BL	BL	BL
A070	BL	BL	BL	BL	n.a.
A071	BL	BL	BL	BL	BL
A072	BL	BL	BL	BL	BL
A073	BL	BL	BL	BL	d.(*1)
A074	BL	BL	BL	BL	BL
A075	BL	BL	BL	BL	n.a.
A076	BL	BL	BL	BL	n.a.
A077	BL	BL	BL	BL	BL
A078	BL	BL	BL	BL	BL
A079	BL	BL	BL	BL	BL

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A080	BL	BL	BL	BL	n.a.
A081	BL	BL	d.(*1)	BL	BL
A082	BL	BL	BL	BL	n.a.
A083	BL	BL	BL	BL	BL
A084	BL	BL	BL	BL	BL
A085	BL	BL	BL	BL	n.a.
A086	BL	BL	BL	BL	d.(*1)
A087	BL	BL	BL	BL	d.(*1)
A088	BL	BL	BL	BL	BL
A089	BL	BL	BL	BL	BL
A090	BL	BL	BL	BL	n.a.
A091	BL	BL	BL	BL	BL
A092	BL	BL	BL	BL	BL
A093	BL	BL	BL	BL	BL
A094	BL	BL	BL	BL	n.a.
A095	BL	BL	BL	BL	d.(*1)
A096	BL	BL	BL	BL	BL
A097	BL	BL	BL	BL	BL
A098	BL	BL	BL	BL	n.a.
A099	BL	BL	BL	BL	n.a.
A100	BL	BL	BL	BL	BL
A101	BL	BL	BL	BL	BL
A102	BL	BL	BL	BL	BL
A103	BL	BL	BL	BL	BL
A104	BL	BL	BL	BL	BL
A105	BL	BL	BL	BL	BL
A106	BL	BL	BL	BL	d.(*1)
A107	BL	BL	BL	BL	n.a.
A108	BL	BL	BL	BL	BL
A109	BL	d.(*1)	BL	BL	n.a.
A110	BL	BL	BL	BL	BL
A111	BL	BL	BL	BL	BL
A112	BL	BL	BL	BL	n.a.
A113	BL	BL	BL	BL	BL
A114	BL	BL	BL	BL	BL
A115	BL	BL	BL	BL	BL
A116	BL	BL	BL	BL	BL
A117	BL	BL	BL	BL	BL
A118	BL	BL	BL	BL	n.a.
A119	BL	BL	BL	BL	n.a.
A120	BL	BL	BL	BL	n.a.
A121	BL	d.(*1)	BL	BL	n.a.
A122	BL	BL	BL	BL	BL

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A123	BL	d.(*1)	BL	BL	n.a.
A124	BL	d.(*1)	BL	BL	n.a.
A125	BL	BL	BL	BL	n.a.
A126	BL	BL	BL	BL	d.(*1)
A127	BL	BL	BL	BL	BL
A128	BL	BL	BL	BL	n.a.
A129	BL	BL	BL	BL	n.a.
A130	BL	BL	BL	BL	n.a.
A131	BL	BL	BL	BL	d.(*1)
A132	BL	BL	BL	BL	BL
A133	BL	BL	BL	BL	BL
A134	BL	BL	BL	BL	n.a.
A135	BL	BL	BL	BL	BL
A136	BL	BL	BL	BL	BL
A137	BL	BL	d.(*1)	BL	BL
A138	BL	BL	BL	BL	BL
A139	BL	BL	BL	BL	BL
A140	BL	BL	BL	BL	n.a.
A141	BL	BL	BL	BL	BL
A142	BL	BL	BL	BL	BL
A143	BL	BL	BL	BL	BL
A144	BL	BL	BL	BL	BL
A145	BL	BL	BL	BL	BL
A146	BL	BL	BL	BL	n.a.
A147	BL	BL	BL	BL	n.a.
A148	BL	BL	BL	BL	BL
A149	BL	BL	BL	BL	BL
A150	BL	BL	BL	BL	BL
A151	BL	BL	BL	BL	n.a.
A152	BL	BL	BL	BL	BL
A153	BL	BL	BL	BL	BL
A154	BL	d.(*1)	BL	BL	n.a.
A155	BL	BL	BL	BL	d.(*1)
A156	BL	BL	BL	BL	BL
A157	BL	BL	BL	BL	BL
A158	BL	BL	BL	BL	BL
A159	BL	BL	BL	BL	BL
A160	BL	BL	BL	BL	n.a.
A161	BL	BL	BL	BL	d.(*1)
A162	BL	BL	BL	BL	BL
A163	BL	BL	BL	BL	d.(*1)
A164	BL	BL	BL	BL	BL
A165	BL	BL	BL	BL	BL

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A166	BL	BL	BL	BL	n.a.
A167	BL	d.(*1)	BL	BL	n.a.
A168	BL	d.(*1)	BL	BL	n.a.
A169	BL	BL	BL	BL	n.a.
A170	BL	BL	BL	BL	d.(*1)
A171	BL	d.(*1)	BL	BL	n.a.
A172	BL	BL	BL	BL	n.a.
A173	BL	BL	BL	BL	BL
A174	BL	BL	BL	BL	d.(*1)
A175	BL	BL	BL	BL	n.a.
A176	BL	BL	BL	BL	d.(*1)
A177	BL	BL	BL	BL	n.a.
A178	BL	BL	BL	BL	BL
A179	BL	BL	BL	BL	BL
A180	BL	BL	BL	BL	BL
A181	BL	BL	BL	BL	n.a.
A182	BL	BL	BL	BL	BL
A183	BL	BL	BL	BL	n.a.
A184	BL	BL	BL	BL	BL
A185	BL	BL	BL	BL	d.(*1)
A186	BL	BL	BL	BL	BL
A187	BL	BL	BL	BL	BL
A188	BL	BL	BL	BL	n.a.
A189	BL	BL	BL	BL	BL
A190	BL	BL	BL	BL	BL
A191	BL	BL	BL	BL	n.a.
A192	BL	BL	BL	BL	BL
A193	BL	BL	BL	BL	BL
A194	BL	BL	BL	BL	BL
A195	BL	BL	BL	BL	BL
A196	BL	BL	BL	BL	BL
A197	BL	BL	BL	BL	BL
A198	BL	BL	BL	BL	n.a.
A199	BL	BL	BL	BL	BL
A200	BL	BL	BL	BL	n.a.
A201	BL	BL	BL	BL	BL
A202	BL	BL	BL	BL	BL
A203	BL	BL	BL	BL	BL
A204	BL	BL	BL	BL	BL
A205	BL	BL	BL	BL	n.a.
A206	BL	BL	BL	BL	BL
A207	BL	BL	BL	BL	BL
A208	BL	BL	BL	BL	d.(*1)



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A209	BL	BL	BL	BL	BL
A210	BL	BL	BL	BL	BL
A211	BL	BL	BL	BL	d.(*1)
A212	BL	BL	BL	BL	d.(*1)
A213	BL	BL	BL	BL	n.a.
A214	BL	BL	BL	BL	n.a.
A215	BL	BL	BL	BL	BL
A216	BL	BL	BL	BL	n.a.
A217	BL	BL	BL	BL	n.a.
A218	BL	BL	BL	BL	d.(*1)
A219	BL	BL	BL	BL	n.a.
A220	BL	BL	BL	BL	n.a.
A221	BL	BL	BL	BL	n.a.
A222	BL	BL	BL	BL	d.(*1)
A223	BL	BL	BL	BL	d.(*1)
A224	BL	BL	BL	BL	n.a.
A225	BL	BL	BL	BL	d.(*1)
A226	BL	BL	BL	BL	BL
A227	BL	BL	BL	BL	n.a.
A228	BL	BL	BL	BL	n.a.
A229	BL	BL	BL	BL	d.(*1)
A230	BL	BL	BL	BL	BL
A231	BL	BL	BL	BL	BL
A232	BL	BL	BL	BL	BL
A233	BL	BL	BL	BL	BL
A234	BL	BL	BL	BL	n.a.
A235	BL	BL	BL	BL	d.(*1)
A236	BL	BL	BL	BL	n.a.
A237	BL	BL	BL	BL	BL
A238	BL	BL	BL	BL	d.(*1)
A239	BL	BL	BL	BL	BL
A240	BL	BL	BL	BL	n.a.
A241	BL	BL	BL	BL	n.a.
A242	BL	BL	BL	BL	BL
A243	BL	BL	BL	BL	BL
A244	BL	BL	BL	BL	BL
A245	BL	BL	BL	BL	n.a.
A246	BL	BL	BL	BL	BL
A247	BL	BL	BL	BL	BL
A248	BL	BL	BL	BL	n.a.
A249	BL	BL	BL	BL	BL
A250	BL	BL	BL	BL	BL
A251-1	BL	BL	BL	BL	BL

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A252-1	BL	BL	BL	BL	BL
A253	BL	BL	BL	BL	n.a.
A254	BL	BL	BL	BL	n.a.
A255	BL	BL	BL	BL	n.a.
A256	BL	BL	BL	BL	n.a.
A257	BL	BL	BL	BL	n.a.
A258	BL	BL	BL	BL	n.a.
A259	BL	BL	BL	BL	BL
A260	BL	BL	BL	BL	BL
A261	BL	BL	BL	BL	n.a.
A262	BL	BL	BL	BL	n.a.
A263	BL	BL	BL	BL	n.a.
A264	BL	BL	BL	BL	n.a.
A265	BL	BL	BL	BL	n.a.
A266	BL	BL	BL	BL	BL
A267	BL	BL	BL	BL	BL
A268	BL	BL	BL	BL	BL
A270	BL	BL	BL	BL	BL
A271	BL	BL	BL	BL	BL
A272	BL	BL	BL	BL	BL
A273	BL	d.(*1)	BL	BL	n.a.
A274	BL	BL	BL	BL	d.(*1)
A275	BL	BL	BL	BL	BL
A276	BL	BL	BL	BL	n.a.
A277	BL	BL	BL	BL	n.a.
A278	BL	d.(*1)	BL	BL	n.a.
A279	BL	d.(*1)	BL	BL	n.a.
A280a	BL	BL	BL	BL	n.a.
A281a	BL	d.(*1)	BL	BL	n.a.
A282a	BL	BL	BL	BL	n.a.
A283a	BL	BL	BL	BL	n.a.
A284a	BL	BL	BL	BL	n.a.
A285	BL	d.(*1)	BL	BL	BL
A286	BL	BL	BL	BL	BL
A287	BL	BL	BL	BL	BL
A288	BL	BL	BL	BL	n.a.
A289	BL	d.(*1)	BL	BL	n.a.
A290	BL	BL	BL	BL	BL
A291	BL	BL	BL	BL	n.a.
A292	BL	BL	BL	BL	n.a.
A293	BL	BL	BL	BL	n.a.
A294	BL	BL	BL	BL	n.a.
A295	BL	BL	BL	BL	BL

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A296	BL	BL	BL	BL	BL
A297	BL	BL	BL	BL	n.a.
A298	BL	BL	BL	BL	n.a.
A299	BL	BL	BL	BL	n.a.
A300	BL	d.(*1)	BL	BL	n.a.
A301	BL	BL	BL	BL	BL
A302	BL	BL	BL	BL	BL
A303	BL	d.(*1)	BL	BL	n.a.
A304	BL	BL	BL	BL	BL
A305	BL	BL	BL	BL	n.a.
A306	BL	BL	BL	BL	n.a.
A307	BL	d.(*1)	BL	BL	n.a.
A308	BL	d.(*1)	BL	BL	n.a.
A309	BL	d.(*1)	BL	BL	n.a.
A310	BL	d.(*1)	BL	BL	n.a.
A311	BL	d.(*1)	BL	BL	n.a.
A312	BL	BL	BL	BL	n.a.
A313	BL	BL	BL	BL	n.a.
A314	BL	d.(*1)	BL	BL	n.a.
A315	BL	d.(*1)	BL	BL	n.a.
A316	BL	BL	BL	BL	n.a.
A317	BL	BL	BL	BL	BL
A318	BL	BL	BL	BL	BL
A319	BL	BL	BL	BL	BL
A320	BL	BL	BL	BL	BL
A321	BL	BL	BL	BL	BL
A322	BL	BL	BL	BL	BL
A323	BL	BL	BL	BL	BL
A324a	BL	BL	BL	BL	BL
A324b	BL	BL	BL	BL	n.a.
A325	BL	BL	BL	BL	BL
A326	BL	BL	BL	BL	BL
A327	BL	BL	BL	BL	BL
A328	BL	BL	BL	BL	BL
A329a	BL	BL	BL	BL	BL
A329b	BL	BL	BL	BL	BL
A330	BL	BL	BL	BL	BL
A331	BL	BL	BL	BL	n.a.
A332	BL	BL	BL	BL	BL
A333	BL	BL	BL	BL	BL
A334	BL	BL	BL	BL	n.a.
A335	BL	BL	BL	BL	n.a.
A336	BL	BL	BL	BL	BL

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A337	BL	BL	BL	BL	BL
A338	BL	BL	BL	BL	n.a.
A339	BL	BL	BL	BL	BL
A340	BL	BL	BL	BL	BL
A341	BL	BL	BL	BL	BL
A342	BL	BL	BL	BL	BL
A343	BL	BL	BL	BL	BL
A344	BL	BL	BL	BL	BL
A345	BL	BL	BL	BL	n.a.
A346	BL	d.(*1)	BL	BL	n.a.
A347	BL	d.(*1)	BL	BL	n.a.
A348	BL	BL	BL	BL	n.a.
A349	BL	d.(*1)	BL	BL	n.a.
A350	BL	BL	BL	BL	n.a.
A351	BL	d.(*1)	BL	BL	n.a.
A352	BL	d.(*1)	BL	BL	n.a.
A353	BL	BL	BL	BL	n.a.
A354	BL	d.(*1)	BL	BL	n.a.
A355	BL	d.(*1)	BL	BL	n.a.
A356	BL	BL	BL	BL	BL
A357	BL	BL	BL	BL	BL
A358	BL	BL	BL	BL	BL
A359	BL	BL	BL	BL	BL
A360	BL	BL	BL	BL	BL
A361	BL	BL	BL	BL	n.a.
A362	BL	d.(*1)	BL	BL	n.a.
A363	BL	BL	BL	BL	n.a.
A364	BL	BL	BL	BL	BL
A365	BL	BL	BL	BL	n.a.
A366	BL	BL	BL	BL	BL
A367	BL	BL	BL	BL	BL
A368	BL	BL	BL	BL	BL
A369	BL	BL	BL	BL	d.(*1)
A370	BL	BL	BL	BL	n.a.
A371	BL	BL	BL	BL	n.a.
A372	BL	BL	BL	BL	BL
A373	BL	BL	BL	BL	BL
A374	BL	BL	d.(*1)	BL	n.a.
A375	BL	BL	BL	BL	n.a.
A376	BL	BL	BL	BL	d.(*1)
A377	BL	BL	BL	BL	d.(*1)
A378	BL	BL	BL	BL	d.(*1)
A379	BL	BL	BL	BL	n.a.

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A380	BL	BL	BL	BL	d.(*1)
A381	BL	BL	BL	BL	n.a.
A382	BL	BL	BL	BL	BL
A383	BL	BL	BL	BL	n.a.
A384	BL	BL	BL	BL	BL
A385	BL	BL	BL	BL	BL
A386	BL	BL	BL	BL	n.a.
A387	BL	BL	BL	BL	BL
A388	BL	BL	BL	BL	BL
A389	BL	BL	BL	BL	BL
A390	BL	BL	BL	BL	BL
A391	BL	BL	BL	BL	d.(*1)
A392	BL	BL	BL	BL	n.a.
A393	BL	d.(*1)	BL	BL	n.a.
A394	BL	BL	BL	BL	BL
A395	BL	BL	BL	BL	n.a.
A396	BL	BL	BL	BL	BL
A397	BL	d.(*1)	BL	BL	n.a.
A398	BL	BL	d.(*1)	BL	n.a.
A399	BL	BL	BL	BL	n.a.
A400	BL	d.(*1)	BL	BL	n.a.
A401	BL	BL	BL	BL	n.a.
A402	BL	BL	BL	BL	n.a.
A403	BL	BL	BL	BL	n.a.
A404	BL	BL	BL	BL	BL
A405	BL	BL	BL	BL	n.a.
A406	BL	d.(*1)	BL	BL	n.a.
A407	BL	BL	BL	BL	BL
A408	BL	BL	BL	BL	BL
A409	BL	BL	BL	BL	BL
A410	BL	BL	BL	BL	BL
A411	BL	BL	BL	BL	n.a.
A412	BL	BL	BL	BL	BL
A413	BL	BL	BL	BL	BL
A414	BL	BL	BL	BL	BL
A415	BL	BL	BL	BL	BL
A416	BL	BL	BL	BL	BL
A417	BL	BL	BL	BL	BL
A418	BL	BL	BL	BL	d.(*1)
A419	BL	BL	BL	BL	BL
A420	BL	BL	BL	BL	n.a.
A421	BL	BL	BL	BL	BL
A422	BL	BL	BL	BL	BL

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A423	BL	BL	BL	BL	BL
A424	BL	BL	BL	BL	BL
A425	BL	BL	BL	BL	d.(*1)
A426	BL	BL	BL	BL	d.(*1)
A427	BL	BL	BL	BL	BL
A428	BL	BL	BL	BL	BL
A429	BL	BL	BL	BL	n.a.
A430	BL	BL	BL	BL	d.(*1)
A431	BL	BL	BL	BL	BL
A432	BL	BL	BL	BL	BL
A433	BL	BL	BL	BL	d.(*1)
A434	BL	BL	BL	BL	n.a.
A435	BL	BL	BL	BL	n.a.
A436	BL	BL	BL	BL	n.a.
A437	BL	BL	BL	BL	BL
A438	BL	BL	BL	BL	BL
A439	BL	BL	BL	BL	d.(*1)
A440	BL	BL	BL	BL	BL
A441	BL	BL	BL	BL	BL
A442	BL	BL	BL	BL	n.a.
A443	BL	BL	BL	BL	BL
A444	BL	BL	BL	BL	BL
A445	BL	BL	BL	BL	n.a.
A446	BL	BL	BL	BL	n.a.
A447	BL	BL	BL	BL	n.a.
A448	BL	BL	BL	BL	n.a.
A449	BL	BL	BL	BL	n.a.
A450	BL	d.(*1)	BL	BL	n.a.
A451	BL	BL	BL	BL	n.a.
A452	BL	d.(*1)	BL	BL	n.a.
A453	BL	d.(*1)	BL	BL	n.a.
A454	BL	BL	BL	BL	n.a.
A455	BL	BL	BL	BL	BL
A456	BL	d.(*1)	BL	BL	n.a.
A457	BL	BL	BL	BL	n.a.
A458	BL	BL	BL	BL	BL
A459	BL	BL	BL	BL	n.a.
A460	BL	BL	BL	BL	BL
A461	BL	BL	BL	BL	BL
A462	BL	d.(*1)	BL	BL	n.a.
A463	BL	BL	BL	BL	BL
A464	BL	BL	BL	BL	BL
A465	BL	BL	BL	BL	BL

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A466	BL	BL	BL	BL	n.a.
A467	BL	BL	BL	BL	n.a.
A468	BL	BL	BL	BL	BL

**Abbreviation:**

Pb	=	Lead
Cd	=	Cadmium
Hg	=	Mercury
Cr	=	Chromium
Br	=	Bromine
n.a.	=	Not applicable
BL	=	Below limit
OL	=	Over limit
d.	=	Detected

**Remark:**

- (\*1) The screening result was detected in the inconclusive region or over limits, thus the further wet chemistry tests are suggested.
- (\*2) Component(s)/ materials(s) with an area of less than 2 mm x 2 mm will not be selected for testing according to RoHS Directive 2011/65/EU due to technical reason.  
 For the test sample does not have detail materials information provided by client, visually identical materials (e.g. wire insulation, solder points, etc.) will be considered as the same material.  
 Solder points on a printing circuit board will be examined several times based on optical anomalies or discoloration of the solder point(s) unless the solder point(s) is obviously generated automatically during production.  
 All other materials will be sampled and tested at one test point representatively.

## XRF Screening limits for different matrices :

Material	Concentration (%)				
	Cd	Cr	Pb	Hg	Br
Polymeric	BL □		OL	0.134 □ OL	X
	OL				
	BL □				
materials			OL		X

Remark: The symbol 'X' marks the region where further investigation is necessary.

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**Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE)**

Test Method: Total Cadmium, Lead, Mercury, Chromium  
 - Ref. to IEC 62321-4:2013+AMD1:2017 and IEC 62321-5:2013

Chromium (VI)  
 - For Metal material - Ref. to IEC 62321-7-1:2015  
 - For Plastic or Electronic material - Ref. to IEC 62321-7-2:2017  
 - For Leather material - Ref. to EN ISO 17075-1:2017

PBBs, PBDEs - Ref. to IEC 62321-6:2015

**Test Result:**

	<b>Cd</b>	<b>Cr(VI)</b>	<b>Pb</b>	<b>Hg</b>	<b>PBBs (*)</b>	<b>PBDEs (*)</b>
<b>Maximum Permissible Limit (%)</b>	0.01	0.1	0.1	0.1	0.1	0.1

<b>Material No.</b>	<b>(%)</b>					
	<b>Cd</b>	<b>Cr<sup>VI</sup></b>	<b>Pb</b>	<b>Hg</b>	<b>PBBs (*)</b>	<b>PBDEs (*)</b>
	<b>RL (%)</b>					
	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.01</b>	<b>0.01</b>
A008	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A073	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A081	n.a.	n.a.	52.9(*3)	n.a.	n.a.	n.a.
A086	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A087	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A095	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A106	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A126	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A131	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A137	n.a.	n.a.	18.2(*3)	n.a.	n.a.	n.a.
A155	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A161	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A163	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A170	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A174	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A176	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A185	n.a.	n.a.	n.a.	n.a.	< RL	< RL



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A208	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A211	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A212	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A218	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A222	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A223	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A225	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A229	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A235	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A238	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A274	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A369	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A374	n.a.	n.a.	0.088	n.a.	n.a.	n.a.
A376	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A377	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A378	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A380	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A391	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A398	n.a.	n.a.	2.38(*4)	n.a.	n.a.	n.a.
A418	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A425	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A426	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A430	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A433	n.a.	n.a.	n.a.	n.a.	< RL	< RL
A439	n.a.	n.a.	n.a.	n.a.	< RL	< RL

Material No.	Hexavalent Chromium Content ( $\mu\text{g}/\text{cm}^2$ ) (*1) RL: 0.10 $\mu\text{g}/\text{cm}^2$
A009	Negative
A031	Negative
A033	Negative
A043	Negative
A044	Negative

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A045	Negative
A046	Negative
A047	Negative
A054	Negative
A109	Negative
A121	Negative
A123	Negative
A124	Negative
A154	Negative
A167	Negative
A168	Negative
A171	Negative
A273	Negative
A278	Negative
A279	Negative
A281a	Negative
A289	Negative
A300	Negative
A303	Negative
A307	Negative
A308	Negative
A309	Negative
A310	Negative
A311	Negative
A314	Negative
A315	Negative
A346	Negative
A347	Negative
A349	Negative
A351	Negative
A352	Negative
A354	Negative
A355	Negative
A362	Negative
A393	Negative
A397	Negative
A400	Negative
A406	Negative
A450	Negative
A452	Negative
A453	Negative

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A456	Negative
A462	Negative
<b>Material No.</b>	<b>Hexavalent Chromium Content (%) (*2) RL: 0.01%</b>
A285	< RL

**Abbreviation:** Pb = Lead  
 Cd = Cadmium  
 Hg = Mercury  
 Cr = Chromium  
 Cr (VI) = Chromium (VI)  
 PBBs = Total Polybrominated Biphenyls  
 PBDEs = Total Polybrominated Diphenyl Ethers  
 < = less than  
 RL = Reporting Limit  
 n.a. = Not Applicable  
 ^ = The total Chromium have been determined  
 % = percentage

**Remark:**

(\*) The reporting limit for each individual PBBs and individual PBDEs are :

Reporting Limit (%)		
<b>PBBs</b>	Bromobiphenyl	0.01
	Dibromobiphenyl	0.01
	Tribromobiphenyl	0.01
	Tetrabromobiphenyl	0.01
	Pentabromobiphenyl	0.01
	Hexabromobiphenyl	0.01
	Heptabromobiphenyl	0.01
	Octabromobiphenyl	0.01
	Nonabromobiphenyl	0.01
	Decabromobiphenyl	0.01
<b>PBDEs</b>	Bromodiphenylether	0.01
	Dibromodiphenyl ether	0.01
	Tribromodiphenyl ether	0.01
	Tetrabromodiphenyl ether	0.01
	Pentabromodiphenyl ether	0.01
	Hexabromodiphenyl ether	0.01
	Heptabromodiphenyl ether	0.01
	Octabromodiphenyl ether	0.01
	Nonabromodiphenyl ether	0.01
	Decabromodiphenyl ether	0.01

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(\*1) The total chromium content in Metal sample was found to be exceeded the maximum permissible limit (0.1%). Thus, the Chromium (VI) content in surface layer have been confirmed with reference to IEC 62321-7-1:2015 Annex.

	Chromium (VI) concentration	Qualitative result
Negative	<0.1µg/cm <sup>2</sup>	The sample is negative (-ve) for Cr(VI). The Cr(VI) concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating
Inconclusive	○ ↓	The result is considered to be inconclusive. Unavoidable coating variations may influence the determination. Recommendation: if additional samples are available, perform a total of 3 trials to increase sampling surface area. Use the averaged result of the 3 trails for the final determination.
Positive		


[illegible]

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[illegible]

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[illegible]

[illegible]









































































































