



Report No.: RTS190827P3552FD

Date : 2019-09-02

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TEST REPORT

Test information

Applicant	:	Confidential
Address	:	Confidential
Sample Name	:	Aluminum Bottle.
Style #	:	CD189051.
Country of origin	:	China.
Export to	:	Not provided.
Receiving Date	:	August 27, 2019.
Test period	:	August 27, 2019.~September 02, 2019.
Test Requested	:	Tests requested in accordance to client requirement.

<u>TEST ITEMS</u>	<u>CONCLUSION</u>
Total Lead(Pb) in Children's Product – CPSIA Section 101	PASS
Total Cadmium(Cd) content test – Client's Requirement	PASS
Phthalates Content test – CPSC 16 CFR 1307 & CP65 A.B.1108	PASS
Bis-phenol-A(BPA) content test – Client's requirement	PASS
Leachable Lead – US FDA CPG Sec.545.500 (CPG 7117.05)	PASS
Determination of Amount of Net Chloroform Soluble Extractives – FDA 21 CFR 177.1210(Closure with Sealing Gaskets)	PASS
Acrylonitrile Copolymers – FDA 21 CFR 180.22 & 21 CFR 181.32	PASS
Total extractives – US FDA 21 CFR 175.300	PASS

Signed for and on behalf of
RTS TEST CO., LTD., Zhejiang

CHANGBIAO YU

Approved signatory

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Sample image:**CONFIDENTIAL****CONFIDENTIAL**

RTS190827P3552FD-A

A1

CONFIDENTIAL**CONFIDENTIAL**

A2

A3

CONFIDENTIAL

**Test result:****A. Total Lead in Substrate Materials: (Unit: mg/kg)**

Section 101 of the Consumer Product Safety Improvement Act of 2008 (CPSIA) (pdf) (Public Law 110-314), as modified by H.R. 2715 (Public Law 112-28, August 12, 2011) and in section 2(q)(1) of the Federal Hazardous Substances Act (pdf), 15 U.S.C. § 1261(q)(1) (FHSA).

Test method:

Metal – CPSC-CH-E1001.08.3 or US EPA 3050B(modified). Nonmetal- CPSC-CH-E1002.08.3 or US EPA 3052(modified),
Analysis was performed by ICP-OES

Test Number	Item/ component description(s)	Material (claimed by the client)
A2	Black transparent plastic lid & Transparent silica gel ring	AS&Silica gel
A3.1	Black round plastic (bottleneck) & silica gel handle (blue & black)	PP&Silica gel
A3.2	Inner metal bottle	Aluminum

Test item	Test Number	MDL	Test Result	Maximum permissible limit	Conclusion
Lead (Pb)	A2 ▲	5	11	100	PASS
	A3.1 ▲	5	12	100	PASS
	A3.2	5	17	100	PASS

Note:

- 1) MDL=Method Detection Limit.
- 2) N.D. = not detected, less than MDL.
- 3) Any substrate material, that is not more than 100ppm lead by weight.
- 4) “▲” = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.

Remark:

Zhejiang RTS Test Co.,Ltd. is the US (CPSC) Accredited Third Party Testing Laboratory, [LAB ID: 1422](#), Shall refer to:

<https://www.cpsc.gov/cgi-bin/LabSearch/ViewDetail.aspx?ReqId=7%2bFdY2oZNSUVU5mvbl6jQA%3d%3d&LabId=CJaa18d5DKIPqgie8zcyrw%3d%3d>



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B. Total Cadmium(Cd) content:(Unit: mg/kg)

Test Method:US EPA 3050B:1996 modified or US EPA 3052:1996 modified, Analysis was performed by ICP-OES.

Test Number	Item/ component description(s)			Material (claimed by the client)	
A2	Black transparent plastic lid & Transparent silica gel ring			AS&Silica gel	
A3.1	Black round plastic (bottleneck) & silica gel handle (blue & black)			PP&Silica gel	
A3.2	Inner metal bottle			Aluminum	

Test item	Test Number	MDL	Test Result	Client's requirement	Conclusion
Cadmium (Cd)	A2 ▲	5	8	100	PASS
	A3.1 ▲	5	7	100	PASS
	A3.2	5	8	100	PASS

Note:

1) MDL=Method Detection Limit.

2) N.D. = not detected, less than MDL(5mg/kg).

3)“▲” = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.

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**C. Phthalates Content test:**(Unit: mg/kg)

Consumer Product Safety Commission (CPSC)16 CFR Part 1307 and California Proposition 65 A.B.1108.

Test method: CPSC-CH-C1001-09.4, was analyzed by Gas Chromatograph-Mass Spectrometer (GC-MS).

Test Number	Item/ component description(s)	Material (claimed by the client)
A2	Black transparent plastic lid & Transparent silica gel ring	AS&Silica gel
A3.1	Black round plastic (bottleneck) & silica gel handle (blue & black)	PP&Silica gel

Test Item(s)	CAS No.	Results		MDL	Limit value
		A2 ▲	A3.1 ▲		
Dibutyl Phthalate(DBP)	84-74-2	N.D.	N.D.	50	1000
Benzylbutyl Phthalate(BBP)	85-68-7	N.D.	N.D.	50	1000
Bis-(2-ethylhexyl)Phthalate(DEHP)	117-81-7	N.D.	N.D.	50	1000
Di-n-octyl Phthalate(DNOP)	117-84-0	N.D.	N.D.	50	1000
Diisodecyl Phthalate(DIDP)	26761-40-0	N.D.	N.D.	50	1000
Di-iso-nonyl Phthalate(DINP)	28553-12-0	N.D.	N.D.	50	1000
Di-n-hexyl Phthalate(DHEXP)	84-75-3	N.D.	N.D.	50	1000
Diisobutyl phthalate (DIBP)	84-69-5	N.D.	N.D.	50	1000
Diamyl phthalate (DPENP)	131-18-0	N.D.	N.D.	50	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	N.D.	50	1000
Conclusion:	-	PASS	PASS	-	-

Noe:

1) N.D. = not detected, less than MDL.

2) MDL = Method Detection Limit.

3) "▲" = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.

**D. Bis-phenol-A(BPA) Content test:(Unit:mg/kg)****Test method:** With reference to EPA 3550C:2007, Analysis was performed by LC-MS.

Test Number	Item/ component description(s)	Material (claimed by the client)
A2	Black transparent plastic lid & Transparent silica gel ring	AS&Silica gel
A3.3	Transparent coating (inner surface)	Coating

Test Items	Test number	MDL	Test Results	Client's Limit	Conclusion
Bis-phenol-A(BPA) (CAS No.:80-05-7)	A2▲	0.1	N.D.	0.1	PASS
	A3.3	0.1	N.D.	0.1	PASS

Note:

1) 1mg/kg = 0.0001% = mass percent.

2) N.D. = Not detected, less than 0.1 mg/kg.

3) “▲” = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.

E.*Leachable Lead – US FDA CPG Sec.545.500 (CPG 7117.05):**Test method:** With reference to ASTM C738-1994(2016), Analysis was performed by ICP-OES.

Test Number	Item/ component description(s)	Material (claimed by the client)
A3.2	Inner metal bottle	Aluminum

Sample	MDL	Leachable lead (µg/mL)	Limit (µg/mL)
1#	0.05	N.D.	7
2#	0.05	N.D.	7
3#	0.05	N.D.	7
4#	0.05	N.D.	7
5#	0.05	N.D.	7
6#	0.05	N.D.	7

Notes:

1) N.D. = Not detected, less than MDL(method detect limit).

2) ug/mL =microgram per millilitre

3) Limit =Reference limit

**F.* Determination of Amount of Net Chloroform Soluble Extractives – US FDA 21 CFR 177.1210(Closure with Sealing Gaskets):****Test method:** With reference to US FDA 21 CFR 177.1210.

For preformed overall discs or annular rings from vulcanized plasticized polymers including rubber:

Test Number	Item/ component description(s)	Material (claimed by the client)
A1.2	Transparent silica gel ring	Silica gel

Extractants	Test Condition	Test result(mg/kg) A1.2	Detection limit (mg/kg)	permissible Limit (mg/kg)
Distilled Water	212°F, 30min	N.D.	5	50

Note: 1) N.D.= Not detected.**G.* Acrylonitrile Copolymers – US FDA 21 CFR 180.22 & 21 CFR 181.32:****Test method:** With reference to US FDA 21 CFR 180.22 & 21 CFR 181.32.

Test Number	Item/ component description(s)	Material (claimed by the client)
A1.1	Orange transparent plastic lid	AS

Extractants	Test Condition	Test result(mg/in ²) A1.1	Maximum permissible Limit(mg/in ²)
3% acetic acid	212°F, 30min	<0.003	0.003

Note:

1) "<"=less than

2) mg/in² = mg per square inch



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H.* Total extractives – US FDA 21 CFR 175.300:

Test method: With reference to US FDA 21 CFR 175.300

Test Number	Item/ component description(s)	Material (claimed by the client)
A3.2	Inner metal bottle	Aluminum

Extractants	Temperature	Time	Test result (mg/in ²) A3.2	Permissible limit (mg/in ²)
n-Heptane	120°F	0.5h	<5.0	18
Distilled Water	212°F	0.5h	<5.0	18

Notes:

- 1) < = less than.
- 2) mg/in² = milligram per square inch.

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

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