



TEST REPORT

Test information

Applicant	: SIMPLE SYMBOL LTD.
Address	: 511 - 4, Hunghom Commercial Centre, Tower A, 39 Ma Tau Wai Road, Hunghom, Kowloon, HK.
Sample Description	: TUMBLERS 8CT PLASTIC KIDS MULTI COLOR BRITES PK.
PO#	: 6380.
Style #	: G41369.
Country of origin	: China.
Export to	: USA.
Supplier	: SIMPLE SYMBOL LTD.
Buyer	: INVENTORY LIQUIDATORS,GORP.
Receiving Date	: July 19, 2022.
Test period	: July 19, 2022.~July 23, 2022.
Amended date	: July 25, 2022.
Test Requested	: Tests requested in accordance to client requirement.

<u>TEST ITEMS</u>	<u>CONCLUSION</u>
Soluble fraction in Xylene – US FDA 21 CFR 177.1520	PASS
Extractable fraction in n-hexane – US FDA 21 CFR 177.1520	PASS
Density at 23°C– US FDA 21 CFR 177.1520	PASS
Melting point – US FDA 21 CFR 177.1520	PASS
Total Lead(Pb) in Children's Product - CPSIA Section 101	PASS
Phthalates Content test - CPSC 16 CFR PART 1307	PASS
Bis-phenol-A(BPA) content test	SEE RESULTS

This report replaces the original report: RTS220719D2718FD, The original report was voided.

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



BINBIN ZOU

Approved signatory



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Zhejiang RTS Test Co., LTD.

Phone: +86(0)579-85640080

Email: ruiyi-@zi-rt.com

<http://www.irtslab.com>

浙江省义乌市稠江街道英才创业园B区7幢2-4层,
2-4/f, Building 7, Block B, Ying cai Business Park,
Choujiang Street, Yiwu, Zhejiang.

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Sample image:



Finished product image:



**Test result:****A.*Soluble fraction in xylene – US FDA 21 CFR 177.1520:(Unit: w/w %)****Test method:** With reference to US FDA 21 CFR 177.1520.

Test Number	Item/ component description(s)	Material (claimed by the client)
A1	Purple plastic cup	PP

Simulant Used	Time	Temp	Detection limit	Test result A1	Maximum Permissible Limit
Soluble fraction in xylene, w/w %	1h	25°C	0.5	3.00	9.8

Note:

- 1)N.D= Not detected, less than Detection limit.
- 2)%(w/w) = percentage of weight by weight.
- 3) Maximum permissible Limit is reference to 21 CFR 177.1520(c) 1.1a.

B.*Extractable fraction in n-hexane – US FDA 21 CFR 177.1520:(Unit: w/w %)**Test method:** With reference to US FDA 21 CFR 177.1520.

Test Number	Item/ component description(s)	Material (claimed by the client)
A1	Purple plastic cup	PP

Simulant Used	Time	Temp	Detection limit	Test result A1	Maximum permissible Limit
Extractable fraction in n-hexane at reflux temperature , w/w %	2h	reflux temperature	0.5	1.38	6.4

Note:

- 1)N.D= Not detected, less than Detection limit.
- 2)%(w/w) = percentage of weight by weight.
- 3) Maximum permissible Limit is reference to 21 CFR 177.1520(c) 1.1a.

**C.* Density at 23°C – US FDA 21 CFR 177.1520:(Unit: g/cm³)****Test method:** With reference to US FDA 21 CFR 177.1520 d(1).

Test Number	Item/ component description(s)	Material (claimed by the client)
A1	Purple plastic cup	PP

Test item(s)	Test result	Maximum permissible Limit
Density at 23°C, g/cm ³ Comment	A1 0.903	0.880-0.913

Note:

1) Maximum permissible Limit is reference to 21 CFR 177.1520(c) 1.1a.

D.*Melting point – US FDA 21 CFR 177.1520:(Unit: °C)**Test method:** With reference to US FDA 21 CFR 177.1520 d(2).

Test Number	Item/ component description(s)	Material (claimed by the client)
A1	Purple plastic cup	PP

Test item(s)	Test result	Maximum permissible Limit
Melting point, °C	A1 169.9	160-180

Note:

1) Maximum permissible Limit is reference to 21 CFR 177.1520(c) 1.1a.

**E. 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., Nonmetal - CPSC-CH-E1002-08.3.,

Was analyzed by flame atomic absorption spectrometry (AAS) or inductively coupled plasma spectrometer (ICP-OES).

Test Number	Item/ component description(s)
A1	Purple plastic cup
A2	Blue plastic cup
A3	Pink plastic cup
A4	Green plastic cup

Test item	Test Number	MDL	Test Result	Maximum permissible limit	Conclusion
Lead (Pb)	A1	5	N.D.	100	PASS
	A2	5	N.D.	100	PASS
	A3	5	N.D.	100	PASS
	A4	5	N.D.	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 or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes 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%2bFdY2oZNSUVU5mvl6jQA%3d%3d&LabId=CJaaI8d5DKIPqgie8zcyw%3d%3d>

Zhejiang RTS Test Co., LTD.

Phone: +86(0)579-85640080
Email: ruiyi-9@zi-rt.com
<http://www.irtslab.com>
浙江省义乌市稠江街道英才创业园B区7幢2-4层.
2-4/f, Building 7, Block B, Ying cai Business Park,
Choujiang Street, Yiwu, Zhejiang.

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**F. Phthalates Content Test: (Unit: mg/kg)**

Consumer Product Safety Commission (CPSC)16 CFR PART 1307 Prohibited children's toys and child care articles shall not contain more than 0.1% of any of the specified phthalates.

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

Test Number	Item/ component description(s)
A1	Purple plastic cup

Test Item(s)	CAS No.	Results A1	MDL	Limit value
Dibutyl Phthalate(DBP)	84-74-2	N.D.	50	1000
Benzylbutyl Phthalate(BBP)	85-68-7	N.D.	50	1000
Bis-(2-ethylhexyl)Phthalate(DEHP)	117-81-7	N.D.	50	1000
Di-iso-nonyl Phthalate(DINP)	28553-12-0	N.D.	50	1000
Diisobutyl phthalate (DIBP)	84-69-5	N.D.	50	1000
Dipentyl phthalate (DPENP)	131-18-0	N.D.	50	1000
di-n-Hexyl phthalate (DHEXP)	84-75-3	N.D.	50	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	50	1000
Conclusion	-	PASS	-	-

Note:

- 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 or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes is substantially higher. Please be cautious when using this data for compliance evaluation.

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

Test Number	Item/ component description(s)
A1	Purple plastic cup

Test Items	Test number	MDL	Test Results
Bis-phenol-A(BPA) (CAS No.:80-05-7)	A1	0.1	N.D.

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 or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes is substantially higher. Please be cautious when using this data for compliance evaluation.

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