

Test report

T-24046723-06-R1



Verify Report

Overall result

Pass

Please refer to the following pages for test result summary and notes.

Client information

Client: ALASAR COMPANY LIMITED
Address: UNIT 1507E, 15/F, EASTCORE, 398 KWUN TONG ROAD, KWUN TONG, KOWLOON, Hong Kong SAR China



Sample information

Description: Magnets,Letters
Country of origin: China
Country of distribution: United States
Quantity submitted: S01, S02: 4 sets per style;
S03, S04: 5 sets per style;
S06: 8 sets; others: 1 set per style

Labeled age grade: -
Requested age grade: Over 2 years of age
Tested age grade: Over 2 years of age

General information

Sample receipt date: 30-Jul-2024

Report date: 12-Mar-2025

Testing period: 05-Aug-2024 to 08-Aug-2024
30-Aug-2024 to 02-Sep-2024
16-Oct-2024 to 22-Oct-2024
13-Dec-2024 to 17-Dec-2024
27-Dec-2024 to 31-Dec-2024
04-Mar-2025 to 06-Mar-2025
10-Mar-2025 to 12-Mar-2025

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Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)	Pass
CPSIA Section 106 & ASTM F963-23 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials	Pass
ASTM F963-23 Toy Safety, Clause 4.3.5.2(2)(a) Total Lead in Substrate Materials	Pass
California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)	Pass
California Proposition 65, Total Cadmium in Substrate Materials	Pass
California Proposition 65, Total Lead in Substrate Materials	Pass
CPSIA Section 101, Total Lead in Substrate Materials	Pass
Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)	Pass
CPSIA Section 102 & 16 CFR 1501, Small Parts	
CPSIA Section 106, Mandatory Toy Safety Standard ASTM F963-23, Mechanical Hazards	Pass
16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards	
16 CFR 1500.44 and ASTM F963-23, Section 4.2, Flammability of Solids	Pass
CPSIA Section 103-Children's Products-Labeling Review (Tracking Labels)	Pass
19 CFR 134.11-Country of Origin-Labeling Review	Pass
Uniform Packaging and Labeling Regulation	Pass





Detailed results

16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)

Test Method: CPSC-CH-C1001-09.4
Test Instrument: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3+4	5+6	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	0.016	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	0.1
Conclusion		Pass	Pass	Pass	Pass	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)

Test Method: CPSC-CH-C1001-09.4
Test Instrument: Gas Chromatography with Mass Spectrometry

Specimen No.		7	---	---	---	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	---	---	---	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	---	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	0.039	---	---	---	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	---	0.1
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	---	---	---	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	---	---	---	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	---	---	---	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	---	---	---	0.1
Conclusion		Pass	---	---	---	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

CPSIA Section 106 & ASTM F963-23 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials

Test Method: ASTM F963-23 Clause 8.3.5
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry and/or
Inductively Coupled Plasma-Mass Spectrometry

Substrate Materials Other than Modeling Clay

Specimen No.	1	2	3	4	5	Soluble Limit (ppm)
Test Item	Result (ppm)					
Soluble Antimony (Sb)	ND	ND	ND	ND	ND	60
Soluble Arsenic (As)	ND	ND	ND	ND	ND	25
Soluble Barium (Ba)	ND	ND	ND	ND	ND	1000
Soluble Cadmium (Cd)	ND	ND	ND	ND	ND	75
Soluble Chromium (Cr)	ND	ND	ND	ND	ND	60
Soluble Lead (Pb)	ND	ND	ND	ND	ND	90
Soluble Mercury (Hg)	ND	ND	ND	ND	ND	60
Soluble Selenium (Se)	ND	ND	ND	ND	ND	500
Conclusion	Pass	Pass	Pass	Pass	Pass	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

NA = Not applicable

ND = Not detected (Reporting Limit = 5 ppm)

Results are adjusted according to ASTM F963-23 Toy Safety, Section 8.3.4.3. Materials are deemed to conform with the requirements if the adjusted analytical result for the migrated element is less than or equal to the permissible limit. The decision rule for stating conformity is based on ASTM F963-23 Toy Safety.

Analytical correction								
Soluble Element(s)	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction (%)	60	60	30	30	30	30	50	60





Detailed results

CPSIA Section 106 & ASTM F963-23 Toy Safety, Clause 4.3.5 Soluble Elements in Substrate Materials

Test Method: ASTM F963-23 Clause 8.3.5
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry and/or
Inductively Coupled Plasma-Mass Spectrometry

Substrate Materials Other than Modeling Clay

Specimen No.	6	7	---	---	---	---	Soluble Limit (ppm)
Test Item	Result (ppm)						
Soluble Antimony (Sb)	ND	ND	---	---	---	---	60
Soluble Arsenic (As)	ND	ND	---	---	---	---	25
Soluble Barium (Ba)	ND	58	---	---	---	---	1000
Soluble Cadmium (Cd)	ND	ND	---	---	---	---	75
Soluble Chromium (Cr)	ND	ND	---	---	---	---	60
Soluble Lead (Pb)	ND	ND	---	---	---	---	90
Soluble Mercury (Hg)	ND	ND	---	---	---	---	60
Soluble Selenium (Se)	ND	ND	---	---	---	---	500
Conclusion	Pass	Pass	---	---	---	---	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

NA = Not applicable

ND = Not detected (Reporting Limit = 5 ppm)

Results are adjusted according to ASTM F963-23 Toy Safety, Section 8.3.4.3. Materials are deemed to conform with the requirements if the adjusted analytical result for the migrated element is less than or equal to the permissible limit. The decision rule for stating conformity is based on ASTM F963-23 Toy Safety.

Analytical correction

Soluble Element(s)	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction (%)	60	60	30	30	30	30	50	60





Detailed results

ASTM F963-23 Toy Safety, Clause 4.3.5.2(2)(a) Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3+4	5+6	7	Total Limit (ppm)
Test Item	Result (ppm)					
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	Pass	Pass	Pass	Pass	Pass	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than; MT = More than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)

Test Method: CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	3+4	5+6	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	0.016	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	0.1
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	0.1
Conclusion		Pass	Pass	Pass	Pass	

Specimen No.		7	---	---	---	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	---	---	---	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	---	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	0.039	---	---	---	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	---	0.1
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	---	0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	---	---	---	0.1
Conclusion		Pass	---	---	---	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.



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Detailed results

California Proposition 65, Total Cadmium in Substrate Materials

Test Method: ASTM F963-23 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3+4	5+6	7	Total Limit (ppm)
Test Item	Result (ppm)					
Total Cadmium (Cd)	ND	ND	ND	ND	ND	75
Conclusion	Pass	Pass	Pass	Pass	Pass	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The limit is quoted from client's requirement.





Detailed results

California Proposition 65, Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3+4	5+6	7	Total Limit (ppm)
Test Item	Result (ppm)					
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	Pass	Pass	Pass	Pass	Pass	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.





Detailed results

CPSIA Section 101, Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2	3+4	5+6	7	Total Limit (ppm)
Test Item	Result (ppm)					
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	Pass	Pass	Pass	Pass	Pass	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)

Test Method: In-House Method
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry,
Ultraviolet-Visible Spectrophotometry

Specimen No.	8+9	10+11	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)					
Cadmium (Cd)	ND	ND	---	---	---	
Chromium VI (Cr VI)	ND	ND	---	---	---	
Lead (Pb)	ND	ND	---	---	---	
Mercury (Hg)	ND	ND	---	---	---	
Sum	ND	ND	---	---	---	100
Conclusion	Pass	Pass	---	---	---	

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Total Chromium is reported for Chromium (VI) unless specified.





Detailed results

CPSIA Section 102 & 16 CFR 1501, Small Parts

CPSIA Section 106, Mandatory Toy Safety Standard ASTM F963-23, Mechanical Hazards

16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards

Mechanical hazards and labeling requirement evaluated as described in 16 CFR 1500.51-1500.53 and ASTM F963-23, as applicable.

Test	Observation	Conclusion
Impact	No Small Parts, Sharp Edges or Sharp Points	Pass
Torque	No Small Parts, Sharp Edges or Sharp Points	Pass
Tension	No Small Parts, Sharp Edges or Sharp Points	Pass

Other Applicable ASTM F963-23 Sections

Section	Test	Conclusion
4.1	Material Quality	Pass
4.6	Small Objects	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.38	Magnets	Pass
5.0	Labeling	Pass
5.1	Federal Government Requirements	Pass
6.1	Instructional Literature	Pass
7.1	Producers Markings	Pass

16 CFR 1500.44 and ASTM F963-23, Section 4.2, Flammability of Solids

Test	Observation	Conclusion
Flammability of Solids	The burn rate is less than or equal to 0.1 in/sec.	Pass





Detailed results

CPSIA Section 103-Children's Products-Labeling Review (Tracking Labels)

Requirement	Observation	Conclusion
Manufacturer or private labeler listed, location & date of manufacture, including batch, run number and/or other identifying characteristics	Information was present	Pass

19 CFR 134.11—Country of Origin—Labeling Review

Test	Observation	Conclusion
Country of Origin	Present on packaging and can be read easily by consumer at the point of sale	Pass

Uniform Packaging and Labeling Regulation

Test	Observation	Conclusion
Declaration of Identity	The packaging contains the declaration of identity	Pass
Declaration of Responsibility	The packaging does not contain the declaration of responsibility	Pass
Declaration of Quantity	The packaging contains the declaration of quantity	Pass

1.





Specimen description

Specimen #	Specimen description	Location
1	Clear plastic with multicolor print	Cover film of wood piece
2	Dark brown mixed plastic	Magnetic cover
3	Clear plastic	Storage box body
4	Translucent plastic	Storage box lid
6	Black plastic	Storage box fastener
7	Orange plastic	Storage box fastener
8	Natural plywood	Picture piece
9	Multicolor printed white paper	Pattern sticker on box(packaging material)
10	Clear plastic with adhesive	Tape(packaging material)
11	Multicolor printed white paper with plastic film	Box cover(packaging material)





Pictures

Sample photo:





Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA Hansecontrol Testing Service (Dongguan) Co. Ltd..

