QIMA

AT-1500

TEST REPORT

Test Report #	23H-002142	Date of Report Issue:	April 4, 2023
Date of Sample Received:	March 27, 2023	Pages:	Page 1 of 10

CLIENT INFORMATION:

Company:	Polyconcept GBS
Recipient:	Kathy Lu
Recipient Email:	Kathy.Lu@Polyconceptgbs.com

SAMPLE INFORMATION:

Description:	Beach Chair (300lb Capacity)		
Article No.:	1070-61RYL	Purchase Order Number:	PO 2020375
Factory No.:	13815	Toy Co./Agency:	-
Vendor No.:	11104	Country of Origin:	China
Country of Distribution:	Canada, United States	Labeled Age Grade:	-
Quantity Submitted:	2 pcs	Requested Age Grade:	-
Testing Period:	03/29/2023 – 04/03/2023	Tested Age Grade:	over 13 years of age

OVERALL RESULT: **PASS**

Refer to page 2 for test result summary and appropriate notes.

QIMA Testing (HK) Limited

Loska Yeung Lok Ka
Assistant Manager, Chemical Laboratory

QIMA Testing (HK) Limited

Timmy So Tsz Him
Assistant Manager, Physical Laboratory

TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	Client's Requirement, 10 Phthalates
PASS	16 CFR 16 CFR 1500.48 & 49 As Received Sharp Point & Edge
PASS	16 CFR 1500.3(c)(6)(vi), Flammability of Solids
PASS	16 CFR 303 Textile Fiber Products Identification Label[#]
PASS	19 CFR 134.11, Country of Origin[#]
PASS	Canadian Textile Flammability Regulations SOR/2016-194, Non-bedding Textile
PASS	Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin[#]
PASS	Client-Requirements-Performance and Workmanship – Scissoring, Shearing or Pinching[#]
PASS	Client-Requirements-Performance and Workmanship – Chair Dynamic Test[#]

Remark:
16 CFR 1303, Total Lead in Paints and Surface Coatings and California Proposition 65, Total Lead in Paints and Surface Coatings were not conducted as no paint and similar surface coating found on received sample.

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)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	8	9+10	11+12	13	14	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	15	16	17	18	19	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	37	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	20	21	22	23	---	**Total Limit (ppm)**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	73	ND	---	**100**
Conclusion	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:

Client's Requirement, 10 Phthalates

Test Method: CPSC-CH-C1001-09.4
Analytical Method: 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	ND	ND	ND	ND	**0.1**
Diisobutyl phthalate (DIBP)	84-69-5	ND	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-octyl phthalate (DnOP)	117-84-0	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**
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:

Client's Requirement, 10 Phthalates

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

Specimen No.		7	8	---	---	**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	---	---	**0.1**
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	---	**0.1**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	---	**0.1**
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	---	---	**0.1**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	---	---	**0.1**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	---	---	**0.1**
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	---	---	**0.1**
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	---	---	**0.1**
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	---	---	**0.1**
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	---	---	**0.1**
	Conclusion	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 1500.48 & 49 As Received Sharp Point & Edge

Test	Observation	Conclusion
Sharp Points	No Sharp point	PASS
Sharp Edges	No Sharp edge	PASS

16 CFR 1500.3(c)(6)(vi), Flammability of Solids

Flammable hazards evaluated as described in 16 CFR 1500.44.

Test	Observation	Conclusion
Flammability of Solids	No Ignition The content is not defined as flammable solid according to 16 CFR 1500.3(c)(6)(vi).	PASS

16 CFR 303 Textile Fiber Products Identification Label#

Test	Observation	Conclusion
Fiber Content Label	Present on product and can be seen at point-of -sale	PASS
RN# Or Company Name	Present on label	PASS
Country of Origin	Present on label	PASS

19 CFR 134.11, Country of Origin#

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

DETAILED RESULTS:

Canadian Textile Flammability Regulations SOR/2016-194, Non-bedding Textile

(Method: Canadian General Standards Board CAN/CGSB 4.2 NO. 27.5, Textile Test Methods)

Test	Observation	Conclusion
3 (1) Flammability test of product without a raised fibres surface	No Ignition	PASS

Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin#

Section	Requirement	Conclusion
2	Country of Origin Markings	PASS

DETAILED RESULTS:

Client-Requirements-Performance and Workmanship – Scissoring, Shearing or Pinching #

Test	Citation	Observation	Conclusion
Scissoring, Shearing or Pinching	ASTM F2613-19 Sec. 5.7 (Modified)	The product, when in the manufacturer's recommended use position, shall not admit a probe that is greater than 0.210 in. (5.30 mm) and less than 0.375 in. (9.50 mm) in diameter at any accessible point where members or components rotate about a common axis or fastening point, slide, pivot, fold, or otherwise move relative to one another.	PASS

Client-Requirements-Performance and Workmanship – Chair Dynamic Test#

Test	Citation	Observation	Conclusion
Backrest Strength Test	In House Method	No failure after applying 60 lbs. for 1 minute to backrest at 90°, 16 inches above seat or at maximum backrest height.	PASS
Static Load - Seat	In House Method	No failure after applying 1.2 times maximum chair capacity to seat for 24 hours.	PASS
Impact Durability - Seat	In House Method	No structural breakage and maximum 1/4 in. deformation when a load 33% of listed capacity free falls from 6 inches onto the seat center (10 drops).	PASS
Arm Rest Strength - Vertical	In House Method	No damage or permanent deformation after applying a load of 150 lbs. for 1 minute. The vertical load is uniformly applied through a 5 inch area at the apparent weakest point of the arm rest.	PASS

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Black printed white plastic	Sewn in label
2	Matt black plastic	Buckle
3	Grey plastic	Connector of frame/ base of armrest/ washer of rivet
4	Light grey plastic	Plug of frame
5	Dull grey plastic	Washer of screw of frame
6	Blue textile with blue soft plastic backing	Main shell of pad/ main shell/ pocket/ strap
7	White foam	Inner pad
8	Black pp non-woven	Sleeve of frame
9	Black plastic with black textile	Hook and base of Velcro tape
10	Dull black plastic with black textile	Loop and base of Velcro tape
11	Dull black textile with black thread	Strap/ sewing
12	Black net textile	Main shell of pocket
13	Dull blue textile with blue thread	Trimming of main shell/ pocket/ sewing
14	Brown natural wood	Armrest
15	Shiny silvery metal	Rivet of frame
16	Shine silvery metal	Ring of rivet of frame
17	Bright silvery metal	Frame of chair
18	Sharp silvery metal	Connector of frame
19	Rare silvery metal	Screw of connector of frame
20	Silvery metal	Nut of connector of frame
21	Dull silvery metal	Screw of armrest
22	Matt silvery metal	Rivet of pocket
23	Off silvery metal	Bar of chair

SAMPLE PHOTO:

-End Report-