



Test Report #

Date of Issue:

Pages:



12H-00475

April 23, 2012

Page 1 of 15

TEST REPORT

Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: - Date Received: April 05, 2012

SAMPLE INFORMATION:

Description: UVGL Series Inks

Assortment/Colors: See Table on pg.2 Purchase Order Number: 4312-Clif

Style/Batch No.: See Table on pg.2 Country of Distribution: United States

Supplier: Marabu North America LP Country of Origin: United States

Quantity Submitted: 2 oz. / sample Labeled Age Grade: N/A

Date Received: 04/05/2012 Recommended Age Grade: N/A

Testing Period: 04/11/2012 – 04/18/2012 Tested Age Grade: N/A

OVERALL RESULT:

PASS

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

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead Content in Paints & Surface Coatings
PASS	The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead Content in Surface Coatings of Children's Jewelry and Childcare Articles
PASS	Connecticut Public Act 10-113 (Substituted House Bill 5314), Total Cadmium Content in Children's Jewelry
PASS	Maryland Chapter 578 (House Bill 145), Total Cadmium in Children's Jewelry
PASS	CPSIA Section 106 & ASTM F963-08 Clause 4.3.5.2, Soluble Heavy Metals Elements Content in Paints and Similar Surface Coatings
PASS	CPSIA Section 108, Phthalates Content – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)
PASS	California Proposition 65, Phthalates Content (DEHP, DBP, BBP, DIDP, DnHP)

ANSECO GROUP (HK) LIMITED

Vincent Chow Wai Kit

Assistant Manager, Chemical Laboratory







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 2 of 15

Date Received: April 05, 2012

DETAILED SAMPLE DESCRIPTION:

Assortment / Color	Batch#
Yellow	UVGL 922
Yellow	UVGL 924
Orange	UVGL 926
Red	UVGL 932
Red	UVGL 934
Purple	UVGL 936
Purple	UVGL 950
Blue	UVGL 952
Blue	UVGL 956
Green	UVGL 960
Green	UVGL 962
White	UVGL 970
Black	UVGL 980
Translucent	UVGL 904
White	UVGL 170
Black	UVGL 180
Black	UVGL 180P
Yellow	UVGL 122
Red	UVGL 132
Blue	UVGL 152
Green	UVGL 162
Translucent	UVGL 913
Translucent	UVGL 914







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 3 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

CPSIA Section 101 & 16 CFR 1303, Total Lead Content in Paints & Surface Coatings

Analysis performed by Inductively Coupled Plasma Spectroscopy to determine compliance with the above referenced regulations. [Referenced Test Method: CPSC-CH-E-1003-09]

Specimen No.	1+2+3	4+5+6	7+8+9	10+11+12	13+14+15	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Pb	LT 5	LT 5	14	8	7	90
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16+17+18	19+20+21	22+23			Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Pb	8	9	LT 5			90
Conclusion	PASS	PASS	PASS			

Note:

Pb = Lead

mg/kg = Milligram per kilogram





Pages:



Page 4 of 15

TEST REPORT

Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Date Received: April 05, 2012

DETAILED RESULTS:

The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead Content in Surface Coatings of Children's Jewelry and Childcare Articles

Analysis performed by Inductively Coupled Plasma Spectroscopy to determine compliance with the above referenced regulation. [Referenced Test Method: CPSC-CH-E1003-09 (Surface coating)]

Specimen No.	1+2+3	4+5+6	7+8+9	10+11+12	13+14+15	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Pb	LT 5	LT 5	14	8	7	40
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16+17+18	19+20+21	22+23			Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Pb	8	9	LT 5			40
Conclusion	PASS	PASS	PASS			

Note:

Pb = Lead

mg/kg = Milligram per kilogram

LT = Less Than

Remark:

A warning statement that indicates that at least one component part of the item contains lead is required for a total lead content in any component part of the item that is more than 40mg/kg but less than a standard for lead content as may be established by federal or State law or regulation.







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 5 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

Connecticut Public Act 10-113 (Substituted House Bill 5314), Total Cadmium Content in Children's Jewelry

Analysis performed by Inductively Coupled Plasma Spectroscopy to determine compliance with the above referenced regulation. [Referenced Test Method: ANSECO Method*]

Specimen No.	1+2+3	4+5+6	7+8+9	10+11+12	13+14+15	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Cd	LT 5	75				
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16+17+18	19+20+21	22+23			Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Cd	LT 5	LT 5	LT 5			75
Conclusion	PASS	PASS	PASS			

|Note:

Cd = Cadmium

mg/kg = Milligram per kilogram







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 6 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

Maryland Chapter 578 (House Bill 145), Total Cadmium in Children's Jewelry

Analysis performed by Inductively Coupled Plasma Spectroscopy to determine compliance with the above referenced regulation. [Referenced Test Method: ANSECO Method*]

Specimen No.	1+2+3	4+5+6	7+8+9	10+11+12	13+14+15	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Cd	LT 5	75				
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16+17+18	19+20+21	22+23			Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Total (mg/kg)
Total Cd	LT 5	LT 5	LT 5			75
Conclusion	PASS	PASS	PASS			

Note:

Cd = Cadmium mg/kg = Milligram per kilogram







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 7 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-08 Clause 4.3.5.2, Soluble Heavy Metals Elements Content in Paints and Similar Surface Coatings

Analysis performed by Inductively Coupled Plasma Spectroscopy to determine compliance with the above referenced regulation and standard. [Referenced Test Method: ASTM F963-08 Clause 8.3]

Specimen No.	1	2	3	4	5	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Soluble (mg/kg)
Soluble Sb	LT 2	60				
Soluble As	LT 2	25				
Soluble Ba	170	140	81	140	88	1000
Soluble Cd	LT 2	75				
Soluble Cr	LT 2	60				
Soluble Pb	LT 2	90				
Soluble Hg	LT 2	60				
Soluble Se	LT 2	500				
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:

Sb = Antimony; As = Arsenic; Ba = Barium; Cd = Cadmium; Cr = Chromium; Pb = Lead; Hg = Mercury; Se = Selenium

mg/kg = Milligram per kilogram







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 8 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-08 Clause 4.3.5.2, Soluble Heavy Metals Elements Content in Paints and Similar Surface Coatings

Analysis performed by Inductively Coupled Plasma Spectroscopy to determine compliance with the above referenced regulation and standard. [Referenced Test Method: ASTM F963-08 Clause 8.3]

Specimen No.	6	7	8	9	10	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Soluble (mg/kg)
Soluble Sb	LT 2	60				
Soluble As	LT 2	25				
Soluble Ba	94	200	140	270	97	1000
Soluble Cd	LT 2	75				
Soluble Cr	LT 2	60				
Soluble Pb	LT 2	90				
Soluble Hg	LT 2	60				
Soluble Se	LT 2	500				
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:

Sb = Antimony; As = Arsenic; Ba = Barium; Cd = Cadmium; Cr = Chromium; Pb = Lead; Hg = Mercury; Se = Selenium

mg/kg = Milligram per kilogram







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 9 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-08 Clause 4.3.5.2, Soluble Heavy Metals Elements Content in Paints and Similar Surface Coatings

Analysis performed by Inductively Coupled Plasma Spectroscopy to determine compliance with the above referenced regulation and standard. [Referenced Test Method: ASTM F963-08 Clause 8.3]

Specimen No.	11	12	13	14	15	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Soluble (mg/kg)
Soluble Sb	LT 2	60				
Soluble As	LT 2	25				
Soluble Ba	130	LT 2	120	170	LT 2	1000
Soluble Cd	LT 2	75				
Soluble Cr	LT 2	60				
Soluble Pb	LT 2	90				
Soluble Hg	LT 2	60				
Soluble Se	LT 2	500				
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:

Sb = Antimony; As = Arsenic; Ba = Barium; Cd = Cadmium; Cr = Chromium; Pb = Lead; Hg = Mercury; Se = Selenium

mg/kg = Milligram per kilogram







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 10 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-08 Clause 4.3.5.2, Soluble Heavy Metals Elements Content in Paints and Similar Surface Coatings

Analysis performed by Inductively Coupled Plasma Spectroscopy to determine compliance with the above referenced regulation and standard. [Referenced Test Method: ASTM F963-08 Clause 8.3]

Specimen No.	16	17	18	19	20	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Soluble (mg/kg)
Soluble Sb	LT 2	60				
Soluble As	LT 2	25				
Soluble Ba	98	130	160	54	74	1000
Soluble Cd	LT 2	75				
Soluble Cr	LT 2	60				
Soluble Pb	LT 2	90				
Soluble Hg	LT 2	60				
Soluble Se	LT 2	500				
Conclusion	PASS	PASS	PASS	PASS	PASS	

Note:

Sb = Antimony; As = Arsenic; Ba = Barium; Cd = Cadmium; Cr = Chromium; Pb = Lead; Hg = Mercury; Se = Selenium

mg/kg = Milligram per kilogram







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 11 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

CPSIA Section 106 & ASTM F963-08 Clause 4.3.5.2, Soluble Heavy Metals Elements Content in Paints and Similar Surface Coatings

Analysis performed by Inductively Coupled Plasma Spectroscopy to determine compliance with the above referenced regulation and standard. [Referenced Test Method: ASTM F963-08 Clause 8.3]

Specimen No.	21	22	23			Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Soluble (mg/kg)
Soluble Sb	LT 2	LT 2	LT 2			60
Soluble As	LT 2	LT 2	LT 2			25
Soluble Ba	130	200	210			1000
Soluble Cd	LT 2	LT 2	LT 2			75
Soluble Cr	LT 2	LT 2	LT 2			60
Soluble Pb	LT 2	LT 2	LT 2			90
Soluble Hg	LT 2	LT 2	LT 2			60
Soluble Se	LT 2	LT 2	LT 2			500
Conclusion	PASS	PASS	PASS			

Note:

Sb = Antimony; As = Arsenic; Ba = Barium; Cd = Cadmium; Cr = Chromium; Pb = Lead; Hq = Mercury; Se = Selenium

mg/kg = Milligram per kilogram







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 12 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

CPSIA Section 108, Phthalates Content – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)

Analysis performed by Gas Chromatography/Mass Spectrometry to determine compliance with the above referenced regulation. [Referenced Test Method: CPSC-CH-C1001-09.3]

Specimen No.	1+2+3	4+5+6	7+8+9	10+11+12	13+14+15	Limit
Test Item	Result (% w/w)	(% w/w)				
DBP	LT 0.01	0.1				
BBP	LT 0.01	0.1				
DEHP	LT 0.01	0.1				
DnOP	LT 0.01	0.1				
DINP	LT 0.01	0.1				
DIDP	LT 0.01	0.1				
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16+17+18	19+20+21	22+23			Limit
Test Item	Result (% w/w)	(% w/w)				
DBP	LT 0.01	LT 0.01	LT 0.01			0.1
BBP	LT 0.01	LT 0.01	LT 0.01			0.1
DEHP	LT 0.01	LT 0.01	LT 0.01			0.1
DnOP	LT 0.01	LT 0.01	LT 0.01			0.1
DINP	LT 0.01	LT 0.01	LT 0.01			0.1
DIDP	LT 0.01	LT 0.01	LT 0.01			0.1
Conclusion	PASS	PASS	PASS			

Note:

DBP = Dibutyl phthalate; BBP = Benzyl butyl phthalate; DEHP = Di-(2-ethylhexyl) phthalate DnOP = Di-n-octyl phthalate; DINP = Diisononyl phthalate; DIDP = Diisodecyl phthalate % w/w = Percentage by weight

LT = Less Than







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 13 of 15

Date Received: April 05, 2012

DETAILED RESULTS:

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

Analysis performed by Gas Chromatography/Mass Spectrometry to determine compliance with the above referenced regulation. [Referenced Test Method: CPSC-CH-C1001-09.3]

Specimen No.	1+2+3	4+5+6	7+8+9	10+11+12	13+14+15	Limit
Test Item	Result (% w/w)	Total (% w/w)				
DBP	LT 0.01	0.1				
BBP	LT 0.01	0.1				
DEHP	LT 0.01	0.1				
DIDP	LT 0.01	0.1				
DnHP [#]	LT 0.01	0.1				
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16+17+18	19+20+21	22+23			Limit
Test Item	Result (% w/w)	Total (% w/w)				
DBP	LT 0.01	LT 0.01	LT 0.01			0.1
BBP	LT 0.01	LT 0.01	LT 0.01			0.1
DEHP	LT 0.01	LT 0.01	LT 0.01			0.1
DIDP	LT 0.01	LT 0.01	LT 0.01			0.1
DnHP [#]	LT 0.01	LT 0.01	LT 0.01			0.1
Conclusion	PASS	PASS	PASS			

Note:

DBP = Dibutyl phthalate; BBP = Benzyl butyl phthalate; DEHP = Di-(2-ethylhexyl) phthalate

DIDP = Diisodecyl phthalate; DnHP = Di-n-hexyl phthalate

%w/w = Percentage by weight

LT = Less Than







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 14 of 15

Date Received: April 05, 2012

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	UVGL series: 922 Yellow ink	Raw material
2	UVGL series: 924 Yellow ink	Raw material
3	UVGL series: 926 Orange ink	Raw material
4	UVGL series: 932 Red ink	Raw material
5	UVGL series: 934 Red ink	Raw material
6	UVGL series: 936 Purple ink	Raw material
7	UVGL series: 950 Purple ink	Raw material
8	UVGL series: 952 Blue ink	Raw material
9	UVGL series: 956 Blue ink	Raw material
10	UVGL series: 960 Green ink	Raw material
11	UVGL series: 962 Green ink	Raw material
12	UVGL series: 970 White ink	Raw material
13	UVGL series: 980 Black ink	Raw material
14	UVGL series: 904 Translucent ink	Raw material
15	UVGL series: 170 White ink	Raw material
16	UVGL series: 180 Black ink	Raw material
17	UVGL series: 180P Black ink	Raw material
18	UVGL series: 122 Yellow ink	Raw material
19	UVGL series: 132 Red ink	Raw material
20	UVGL series: 152 Blue ink	Raw material
21	UVGL series: 162 Green ink	Raw material
22	UVGL series: 913 Translucent ink	Raw material
23	UVGL series: 914 Translucent ink	Raw material







Company: Marabu North America LP

Recipient: Clif Treco

Recipient Email: ctreco@marabu.com

cc to Email: -

Test Report # 12H-00475

Date of Issue: April 23, 2012

Pages: Page 15 of 15

Date Received: April 05, 2012

SAMPLE PHOTO:



-End Report-