

TEST REPORT

Test Report # 20W-001086-6 Date of Report Issue: March 4, 2020
Date of Sample Received: November 18, 2019 Pages: Page 1 of 18

CLIENT INFORMATION:

Company: PandoraStocks LTD
Address: @pandorastocks.com



SAMPLE INFORMATION:

Product Name: Glow Paint
Style No.: - Labeled Age Grade: -
Order No.(PO No.): - Client Request Age Grade: -
Country of Origin: China Recommended Age Grade: -
Country of Distribution: Europe, United States Tested Age Grade: -
Testing Period: 11/21/2019-12/31/2019, 02/27/2020-03/04/2020

OVERALL RESULT:

PASS

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

QIMA (HANGZHOU) TESTING CO., LTD.

Kevin Lee

Kevin Lee
Technical Manager



TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings
PASS	CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings
PASS	California Proposition 65, Total Cadmium in Paints and Surface Coatings
PASS	16 CFR 1500.231 Hazardous Liquid Chemicals in Children's Products
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	USP 39, <61> and USP 39, <62> - Microbiological Examination of Nonsterile Products Test ^φ
PASS	USP 39, <51> Antimicrobial Effectiveness Test ^φ
PASS	European Pharmacopeia - Microbiological Examination of Nonsterile Products Test ^φ
PASS	European Pharmacopeia - Efficacy of Antimicrobial Preservation Test ^φ
PASS	16 CFR 1500.3 (c)(6)(III)/16 CFR 1500.43a Flashpoint Requirement for Volatile Flammable Materials



DETAILED RESULTS:

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E1003-09.1
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	500
Conclusion	PASS	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2	19W-018203-2	1+2	December 31, 2019



DETAILED RESULTS:

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

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	90
Conclusion	PASS	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2	19W-018203-2	1+2	December 31, 2019



DETAILED RESULTS:

California Proposition 65, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	---	---	---	---	90
Conclusion	PASS	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/kg)

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

Remark:

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2	19W-018203-2	1+2	December 31, 2019



DETAILED RESULTS:

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings

Test Method: ASTM F963-17 Clause 8.3.1
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	100
Conclusion	PASS	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2	19W-018203-2	1+2	December 31, 2019



DETAILED RESULTS:

California Proposition 65, Total Cadmium in Paints and Surface Coatings

Test Method: ASTM F963-17 Clause 8.3.1
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	75
Conclusion	PASS	---	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

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

Remark:

The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2	19W-018203-2	1+2	December 31, 2019



DETAILED RESULTS:

16 CFR 1500.231 Hazardous Liquid Chemicals in Children's Products

Test Method: In-House Method
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	2	---	RL (% w/w)	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)		
Mercury	7439-97-6	ND	ND	---	0.001	ND
Ethylene glycol	107-21-1	ND	ND	---	1	ND
Diethylene glycol	111-46-6	ND	ND	---	1	ND
Methanol	67-56-1	ND	ND	---	1	ND
Methylene chloride	75-09-2	ND	ND	---	1	ND
Petroleum distillates	64741-96-4	ND	ND	---	1	ND
Toluene	108-88-3	ND	ND	---	1	ND
Xylene	95-47-6	ND	ND	---	1	ND
	108-38-3					
	106-42-3					
Conclusion		PASS	PASS	---		

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1	19W-018203-2	1	December 31, 2019
2	19W-018203-2	2	December 31, 2019



DETAILED RESULTS:

Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.4

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	---	---	1000
Sum of DBP, BBP, DEHP, DIBP		ND	---	---	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	---	---	
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	
Sum of DnOP, DINP, DIDP		ND	---	---	1000
Conclusion		PASS	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 150 mg/kg)

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

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2	19W-018203-2	1+2	December 31, 2019



DETAILED RESULTS:

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

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

Specimen No.	1+2	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)
Dibutyl phthalate (DBP)	84-74-2	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	---	---	1000
Conclusion		PASS	---	---	

Note:
 mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
 LT = Less than
 ND = Not detected (Reporting Limit = 150 mg/kg)
 Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
 The specification is quoted from client's requirement.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1+2	19W-018203-2	1+2	December 31, 2019



DETAILED RESULTS:

USP 39, <61> and USP 39, <62> - Microbiological Examination of Nonsterile Products Test^φ

With reference to United States Pharmacopoeia, USP 39, Chapter 61 & 62.

USP 39,<61> Microbial Enumeration Tests	Result		Permissible Limit
	1	2	
1. Total Aerobic Microbial count	<10 CFU/g	<10 CFU/g	<1000 CFU/g
2. Total Combined Molds and Yeasts count	<10 CFU/g	<10 CFU/g	
USP 39,<62> Tests for Specified Microorganisms	Result		Permissible Limit
	1	2	
1. Bile-Tolerant Gram negative bacteria	Absent	Absent	---
2. Staphylococcus aureus	Absent	Absent	Absent
3. Salmonella spp.	Absent	Absent	Absent
4. Escherichia coli	Absent	Absent	Absent
5. Pseudomonas aeruginosa	Absent	Absent	Absent
6. Clostridia	Absent	Absent	---
7. Candida albicans	Absent	Absent	---
Comment	PASS	PASS	---

Note:

1.CFU/g = Colony Forming Unit per gram

2.The Permissible Limit for the Microbiological Examination Test(s) is with reference to the Microbial Limits specified in ASTM F963-17 Sec. 4.3.6.3 & 8.4.1 for Category - all other products.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1	19W-018203-2	1	December 31, 2019
2	19W-018203-2	2	December 31, 2019



DETAILED RESULTS:

USP 39, <51> Antimicrobial Effectiveness Test^φ

With reference to United States Pharmacopoeia, USP 39, Chapter 51.

Test Organism(s):

1. A. brasiliensis: Aspergillus brasiliensis (ATCC No. 16404)
2. C. albicans: Candida albicans (ATCC No. 10231)
3. E. coli: Escherichia coli (ATCC No. 8739)
4. P. aeruginosa: Pseudomonas aeruginosa (ATCC No. 9027)
5. S. aureus: Staphylococcus aureus (ATCC No. 6538)

Result(s):

Test Intervals	Samples No.	Log ₁₀ values of the concentration					USP<51> Criteria in USP 39	
		Yeast and Molds		Bacteria			Bacteria	Yeast and Molds
		A. brasiliensis	C. albicans	E. coli	P. aeruginosa	S. aureus		
Day 0	1	5.11	5.43	5.30	5.76	5.83	---	---
	2	5.11	5.43	5.30	5.76	5.83		
Day 14	1	<1	<1	<1	<1	<1	Reduction ≥2.0 Log ₁₀ of initial conc.	≤ initial conc.
	2	<1	<1	<1	<1	<1		
Day 28	1	<1	<1	<1	<1	<1	≤ Day 14 conc.	≤ initial conc.
	2	<1	<1	<1	<1	<1		
Comment		PASS	PASS	PASS	PASS	PASS	---	---

Note:

1. The criteria for evaluation of antimicrobial effectiveness is with reference to the criteria specified in United States Pharmacopoeia, USP 39, Chapter 51, Criteria for Tested Microorganisms (Category 2) for Topically used products made with aqueous bases or vehicles; nonsterile nasal products and emulsions, including those applied to mucous membranes.

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1	19W-018203-2	1	December 31, 2019
2	19W-018203-2	2	December 31, 2019



DETAILED RESULTS:

European Pharmacopeia - Microbiological Examination of Nonsterile Products Test^φ

With reference to European Pharmacopoeia 9.0 Edition, Chapter 2.6.12 & 2.6.13.

Test Item	Result (CFU/g)		Permissible Limit
	1	2	
1. Total Aerobic Microbial Count	<10	<10	<1000 CFU/g
2. Total Combined Molds and Yeasts count	<10	<10	<100 CFU/g

Test Item	Result (CFU/g)		Permissible Limit
	1	2	
1. Bile-tolerant gram negative bacteria / Enterobacteriaceae	Absent	Absent	Absent (<100 CFU/g)
2. Staphylococcus aureus	Absent	Absent	Absent
3. Salmonella spp.	Absent	Absent	Absent
4. Escherichia coli	Absent	Absent	Absent
5. Pseudomonas aeruginosa	Absent	Absent	Absent
6. Clostridia	Absent	Absent	---
7. Candida albicans	Absent	Absent	Absent
Comment	PASS	PASS	---

Note:

1. CFU/g = Colony Forming Unit per gram
2. The Permissible Limit for the Microbiological Examination Test(s) is with reference to the Limits indicating microbiological safety specified in EC-type approval protocol No. 2 Microbiological safety of toys containing aqueous media REV 3 (Agreed by: EC-expert group on Toy safety on: 14 January 2016).

Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1	19W-018203-2	1	December 31, 2019
2	19W-018203-2	2	December 31, 2019



DETAILED RESULTS:

European Pharmacopoeia - Efficacy of Antimicrobial Preservation Test^φ

With reference to European Pharmacopoeia 9.0 Edition, Chapter 5.1.3.

Test Result:

Test Organism(s)		Log Value of Reduction			
		1			
		Day 2	Day 7	Day 14	Day 28
Bacteria	Pseudomonas aeruginosa (ATCC No. 9027)	---	---	>4.76	NI
	Staphylococcus aureus (ATCC No. 6538)	---	---	>4.83	NI
Fungi	Candida albicans (ATCC No. 10231)	---	---	>4.43	NI
	Aspergillus brasiliensis (ATCC No. 16404)	---	---	>4.11	NI

Test Organism(s)		Log Value of Reduction			
		2			
		Day 2	Day 7	Day 14	Day 28
Bacteria	Pseudomonas aeruginosa (ATCC No. 9027)	---	---	>4.76	NI
	Staphylococcus aureus (ATCC No. 6538)	---	---	>4.83	NI
Fungi	Candida albicans (ATCC No. 10231)	---	---	>4.43	NI
	Aspergillus brasiliensis (ATCC No. 16404)	---	---	>4.11	NI

The criteria for evaluation of antimicrobial activity is with reference to the criteria specified in European Pharmacopoeia 9.0 Edition, Chapter 5.1.3, Tables 5.1.3.-2 for Ear preparations, nasal preparations, preparations for cutaneous application and preparations for inhalation, in terms of the log reduction in the number of viable micro-organisms against the value obtained for the inoculum.

---		Log Reduction			
		2 day	7 day	14 day	28 day
Bacteria	A	2	3	-	NI
	B	-	-	3	NI
Fungi	A	-	-	2	NI
	B	-	-	1	NI

Note:

1. The A criteria express the recommended efficacy to be achieved. In justified cases where the A criteria cannot be attained, for example for reasons of an increased risk of adverse reactions, the B criteria must be satisfied.
2. No increase (NI) is defined as not more than 0.5 log₁₀ unit higher than the previous value measured.



Data Consolidation Reference:

Specimen No.	Transferred from		Date of Issue
	Report No.	Specimen No.	
1	19W-018203-2	1	December 31, 2019
2	19W-018203-2	2	December 31, 2019



RC-CSHZ-R007

QIMA (HANGZHOU) TESTING CO., LTD. • 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA
• Email: Labtesting@qima.com • Tel: (86) 571 8999 7158.

Test(s) marked with 'φ' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and 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.

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DETAILED RESULTS:

16 CFR 1500.3 (c)(6)(III)/16 CFR 1500.43a Flashpoint Requirement for Volatile Flammable Materials

Key to samples:

Liquid: Glow paint Flash point: > 65.6°C

Requirement:

Flashpoint	Substance To Be Considered As
At or below – 6.7°C	Extremely flammable
Above - 6.7°C and below 37.8°C	Flammable
At or above 37.8°C to and including 65.6°C	Combustible

Results	The liquid(s) are not considered to be an extremely flammable, flammable or combustible substance in accordance with 16 CFR 1500.3(c)(6)(III).
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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Light green paint	Paint
2	Green paint	Paint



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SAMPLE PHOTO:



-End Report-



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