



TEST REPORT

MID OCEAN BRANDS B.V.

Technical Report: (3225)098-0456

June 05,2025

Date Received: Apr.08,2025

Page 1 of 47

MID OCEAN BRANDS B.V.
UNIT 711-716,7/F.,TOWER A,83 KING LAM STREET,
CHEUNG SHA WAN,KWLOON,HONG KONG

SAMPLE INFORMATION:

Sample Description:	STATIONERY SET	Sample Quantity:	N/A
Vendor:	111041	Style No(s):	IT2369
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	NOT PROVIDED	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	CHINA
Client Specified Age Grade:	OVER 3 YEARS OF AGE	Assortment No.:	N/A
Tested Age Grade:	OVER 3 YEARS OF AGE	Country of Destination:	EUROPE
UPC Code:	N/A	Color :	N/A

EXECUTIVE SUMMARY:

TEST REQUESTED	CONCLUSION
The mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018, clauses 1-7.	PASS See note 2&3
The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2020	PASS
Formaldehyde Release from Wood	PASS
Organotin Compounds Content – Reference to Regulation (EC) No. 1907/2006 Annex XVII, Entry 20, Points 4 to 6	PASS
Polycyclic Aromatic Hydrocarbons (PAHs) Content – Regulation (EC) No. 1907/2006 Annex XVII Entry 50, Point 5	PASS
Pentachlorophenol and its salt and ester (PCP) Content - European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs) , Annex I, Part A	PASS
Phthalates Content – Reference to regulation (EC) No. 1907/2006 Annex XVII Entry 51 & 52	PASS
Total Cadmium Content in Plastic Material - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with its Latest Amendment, Entry 23	PASS
Total Cd Content & As Client's requirement	PASS
Migration of Certain Elements - EN71-3:2019+A1:2021	PASS
Total Cadmium Content in Paints on Painted Article - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with its Latest Amendment, Annex XVII, Entry 23	PASS
Entry 48 in Annex XVII of REACH Regulation (EC) No 1907/2006 – Toluene	PASS
Benzene Content - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with its Latest Amendment, Annex XVII, Entry 72	PASS
Benzene Content in Toys or Parts of Toys - European Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with Amendment up to EU No. 412/2012, Annex XVII, Entry 5, Point 1	PASS
Migration of Certain Elements - EN 71-3:2019+A2:2024	PASS
Entry 32 in Annex XVII of REACH Regulation (EC) No 1907/2006 – Chloroform*	PASS

Revised Reason: As client's request, update test items.

Bureau Veritas Testing Technical Service
(Zhejiang) Co., Ltd
1F west, 2nd floor, 7F east, 8F, Building A
No.66, Qinyuan Road, Ningbo, Zhejiang, China
Tel:86-574-87971039, Fax:86-574-87971039
website:cps.bureauveritas.com

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Note:

1. The sample is tested as "Over 3 years of age" per the client's request.
2. No relevant packaging was provided with the submitted sample(s), consequently, evaluation of the labeling requirements of this European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018, clauses 7, was not conducted.
3. The submitted sample contains small part as-received, thus, according to EN71: Part 1:2014+A1:2018, the following small part warning is required.
"Warning! Not suitable for children under 36 months. Small parts. Choking hazard."
4. With the client's prior consent, * was subcontracted test item.

BVCPS (ZHEJIANG) GENERAL CONTACT INFORMATION FOR THIS REPORT

TELEPHONE NO. : 86-574-87091375 / 87091399
E-MAIL : lilyli.li@bureauveritas.com; amy.pan@bureauveritas.com

Bureau Veritas Testing Technical Service (Zhejiang) Co., Ltd

Kobe Chen *Seb Wang*

Kobe Chen
Chemical Supervisor

Seb wang
LAB Manager
(HARDLINE AND TOY DIVISION)

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the EN71: Part 1:2014+A1:2018, European Union Guidance Documents, CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines and Age Determination Guidelines: Relating Children's Ages to Toy Characteristics and Play Behavior, September, 2002	
Note :	The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.
Note :	If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2

Symbol	Explanation				
NM	The samples are NOT IN COMPLIANCE WITH the requirement of this Subclause				
M	The samples are IN COMPLIANCE WITH the requirement of this Subclause				
N/A	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NP	None Present				
P	Present				
R	Refer to Comment Section of this report				
Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
F	Finnish language	I	Italian language	SZ	Swiss language
FR	French language	N	Norwegian language		

**MECHANICAL & PHYSICAL PROPERTIES
 (EN 71: PART 1:2014+A1 :2018)**

Subclause	Requirement	Result
4.1	Material cleanliness	M
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy Bags	N/A
4.5	Glass	N/A
4.6	Expanding materials	N/A
4.7 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.8e	Splinters	M
4.9	Protruding parts	N/A
4.10.1	Folding and sliding mechanisms	N/A
4.10.2	Driving mechanisms	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth actuated toys and other toys intended to be put in the mouth	N/A
4.12 & 7.3	Balloons	N/A
4.13 & 7.9	Cord of toy kites and other flying toys	N/A
4.14.1	Toys which a child can enter	N/A
4.14.2 & 7.8	Masks and helmets	N/A
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	N/A
4.15.1.3	Toys propelled by child – Strength	N/A
4.15.1.4	Toys propelled by child – Stability	N/A
4.15.1.5	Toys propelled by child – Braking	N/A
4.15.1.6	Toys propelled by child - Transmission	N/A
4.15.1.7	Toys propelled by child – insertion mark	N/A
4.15.1.8	Electrically-driven ride-on toys	N/A
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	N/A
4.15.2.3	Toy bicycles – Braking	N/A
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	N/A
4.15.4 & 7.16	Toys not propelled by child	N/A
4.15.5 & 7.18	Toy scooters	N/A
4.16	Heavy immobile toys	N/A
4.17.2	All projectiles	N/A
4.17.3 & 7.7	Projectile toys with stored energy	N/A
4.17.4 & 7.26	Certain projectile toys without stored energy	N/A
4.18 & 7.4	Aquatic toys and inflatable toys	N/A
4.19 & 7.13 & 7.14	Percussion caps	N/A
*4.20.2.1- 4.20.2.8, 4.20.2.10, 4.20.2.12	Acoustics	N/A

**MECHANICAL & PHYSICAL PROPERTIES
(EN 71: PART 1:2014+A1 :2018)**

Subclause	Requirement	Result
4.20.2.9, 4.20.2.11 & 7.14	Acoustics – percussion toys & cap-firing toys	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22 & 7.2	Small balls	N/A
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	N/A
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	N/A
4.24	Yo-yo ball	N/A
4.25	Toys attached to food	N/A
4.26	Toy Disguise Costumes	N/A
4.27.1	Flying toys – General	N/A
4.27.2 & 7.25.1	Rotors and propellers on flying toys	N/A
4.27.3 & 7.25.2	Rotors and propellers on remote controlled flying toys	N/A
FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS		
5.1	General	N/A
5.1a	Small parts – as received	N/A
5.1b	Small parts, sharp points, sharp edges – after tests	N/A
5.1c	Cross section <2mm metal points & wires	N/A
5.1e	Toys contain glue	N/A
5.1f	Casing of toys	N/A
5.2	Fillings, coverings and seams	N/A
5.3	Adhesion of plastic sheeting	N/A
5.4.2	Cords and chains in toys intended for children under 18 months	N/A
5.4.3 & 7.22	Cords and chains in toys intended for children of 18 months or over but under 36 months	N/A
5.4.4	Fixed loops, tangled loops and nooses	N/A
5.4.5	Cords and chains on pull along toys	N/A
5.4.6 & 7.21	Electrical cables	N/A
5.4.7	Cross-sectional dimension of certain cords	N/A
5.4.8	Self-retracting cords	N/A
5.4.9 & 7.11 & 7.23	Toys attached to or intended to be strung across a cradle, cot or perambulator	N/A
5.5 & 7.12	Liquid filled toys	N/A
5.6	Electrically driven toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size	N/A
5.9 & 7.17	Monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric shaped toys	N/A
5.13	Suction cups	N/A
5.14	Straps intended to be worn fully or partially around the neck	N/A
5.15 & 7.24	Sledges with cords for pulling	N/A
6	Packaging	N/A



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 6 of 47

**MECHANICAL & PHYSICAL PROPERTIES
(EN 71: PART 1:2014+A1 :2018)**

Subclause	Requirement	Result
	WARNINGS, INSTRUCTIONS FOR USE	
7.1	General	SEE NOTE 2
7.2	Toys not intended for children under 36 months	SEE NOTE 2&3
7.5	Functional toys	SEE NOTE 2

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.17.3	8.24.1	5.3	8.4.2.1, 8.25
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.3	8.11, 8.12, 8.21, 8.22	4.17.4	8.24.2	5.4	8.20, 8.36, 8.38, 8.39, 8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.1.4	8.23.1	4.18	8.2, 8.3, 8.4.2.1	5.5	8.15
4.7	8.11	4.15.1.5	8.26.1	4.20	8.28	5.6	8.29
4.8	8.12, 8.13	4.15.1.8	8.29	4.21	8.30	5.8	8.16
4.9	8.4.2.3, 8.11, 8.12	4.15.2.4	8.26.2	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.10.1	8.18.2, 8.18.3	4.15.3	8.21, 8.23.1	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.11	8.33
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.15.4	8.21, 8.23.1	4.24	8.37	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.13	8.19	4.16	8.23.2	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12		
4.14.1	8.31.1, 8.31.2	4.17.1	8.4.2.3				



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025
Page 7 of 47

FLAMMABILITY (EN 71 PART 2: 2020)

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Highly flammable solids	NP
4.1	Surface flash on a piled surface	N/A
4.1	Flammable gases	N/A
4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NP
4.2	Toys to be worn on the head	N/A
4.3	Toy disguise costumes and toys intended to be worn by child in play	N/A
4.3	warning on product and packaging (10 - 30 mm/s)	N/A
4.4	Toys intended to be entered by a child	N/A
4.4	warning on product and packaging (10 – 30 mm/s)	N/A
4.5	Soft-filled toys	N/A

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-

Tested Component(s) Breakdown List

Test Item	Description	Location	Style
1	Brown wood	Box	-
2	Brown wood	color Pencil	-
3	Black plastic	Blister case	-
4	Purple crayon	crayon	-
5	Deep green crayon	crayon	-
6	Orange crayon	crayon	-
7	Yellow crayon	crayon	-
8	Red crayon	crayon	-
9	Black crayon	crayon	-
10	Brown crayon	crayon	-
11	Purple watercolor cake	watercolor cake	-
12	Red watercolor cake	watercolor cake	-
13	Khaki watercolor cake	watercolor cake	-
14	Yellow watercolor cake	watercolor cake	-
15	Deep blue watercolor cake	watercolor cake	-
16	Tan watercolor cake	watercolor cake	-
17	Blue watercolor cake	watercolor cake	-
18	Black watercolor cake	watercolor cake	-
19	Deep green watercolor cake	watercolor cake	-
20	Orange watercolor cake	watercolor cake	-
21	Green watercolor cake	watercolor cake	-
22	Red plastic	Pencil sharpener	-
23	Black soft plastic	Bristle	-
24	White eraser	eraser	-
25	Multicolor paper	on crayon	-
26	Black coating	color Pencil	-
27	Silver metal	Knife	-
28	Black pencil core	color Pencil	-
29	White fiber	Pen nib	-
30	Transparent plastic	Ruler	-
31	Silver metal	Handle	-
32	Silver metal	Buckle	-
33	Sky blue crayon	crayon	-
34	Light green crayon	crayon	-
35	Rose red crayon	crayon	-
36	White crayon	crayon	-
37	Grey crayon	crayon	-
38	Purple pencil core	color Pencil	-
39	Deep blue pencil core	color Pencil	-
40	Sky blue pencil core	color Pencil	-



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 9 of 47

41	Green pencil core	color Pencil	-
42	Light green pencil core	color Pencil	-
43	Yellow pencil core	color Pencil	-
44	Orange pencil core	color Pencil	-
45	Rose red pencil core	color Pencil	-
46	Deep red pencil core	color Pencil	-
47	Brown pencil core	color Pencil	-
48	Tan pencil core	color Pencil	-
49	Black pencil core	color Pencil	-
50	Purple coating	color Pencil	-
51	Deep blue coating	color Pencil	-
52	Sky blue coating	color Pencil	-
53	Green coating	color Pencil	-
54	Light green coating	color Pencil	-
55	Yellow coating	color Pencil	-
56	Orange coating	color Pencil	-
57	Rose red coating	color Pencil	-
58	Deep red coating	color Pencil	-
59	Brown coating	color Pencil	-
60	Tan coating	color Pencil	-
61	Black coating	color Pencil	-
62	Green ink	marker	-
63	Light green ink	marker	-
64	Yellow ink	marker	-
65	Deep yellow ink	marker	-
66	Pink ink	marker	-
67	Rose red ink	marker	-
68	Red ink	marker	-
69	Brown ink	marker	-
70	Black ink	marker	-
71	Purple ink	marker	-
72	Deep blue ink	marker	-
73	Sky blue ink	marker	-
74	Green plastic	marker	-
75	Light green plastic	marker	-
76	Yellow plastic	marker	-
77	Deep yellow plastic	marker	-
78	Pink plastic	marker	-
79	Rose red plastic	marker	-
80	Red plastic	marker	-
81	Brown plastic	marker	-
82	Black plastic	marker	-
83	Purple plastic	marker	-



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 10 of 47

84	Deep blue plastic	marker	-
85	Sky blue plastic	marker	-
86	White plastic	marker	-
87	Transparent plastic	ruler	-
88	Rose red watercolor cake	watercolor cake	-
89	Transparent glue	glue	-
90	Transparent soft plastic	Glue bottle	-
91	Black plastic	Lid	-
92	Yellow plastic	Pen	-
93	Transparent soft plastic	Inner foam case	-
94	White foam	-	-
95	White oil painting stick	Oil painting stick	-
96	Black oil painting stick	Oil painting stick	-
97	Grey oil painting stick	Oil painting stick	-
98	Rose red oil painting stick	Oil painting stick	-
99	Blue oil painting stick	Oil painting stick	-
100	Green oil painting stick	Oil painting stick	-
101	Red oil painting stick	Oil painting stick	-
102	Orange oil painting stick	Oil painting stick	-
103	Tan oil painting stick	Oil painting stick	-
104	Purple oil painting stick	Oil painting stick	-
105	Yellow oil painting stick	Oil painting stick	-
106	Deep green oil painting stick	Oil painting stick	-

Formaldehyde Release from Wood

Test Method : EN 717-3: 1996

Parameter	Unit	Result		Maximum Allowable Limit
		1	2	
Trial 1	mg/kg	ND	ND	-
Trail 2	mg/kg	ND	ND	-
Average Formaldehyde	mg/kg	ND	ND	80
Moisture Content	%	3.20	3.06	-
Conclusion	-	PASS	PASS	-

Note / Key :

ND = Not detected% = percent

mg/kg = milligram(s) formaldehyde per kilogram oven-dry board

Detection Limit (mg/kg) : 10

Organotin Compounds Content – Reference to Regulation (EC) No. 1907/2006 Annex XVII, Entry 20, Points 4 to 6

Test Method : In house method

Parameter	CAS No.	Unit	Maximum Allowable Limit	Result
	-	-	-	89
TPT	-	%	<0.1	ND
TBT	1461-22-9	%	<0.1	ND
TOT		%	<0.1	ND
TPhT	668-34-8	%	<0.1	ND
TcyT	-	%	<0.1	ND
Tri-substituted organostannic compounds (Tri-substituted orgt.), including - Tripropyltin (TPT) - Tributyltin (TBT) - Trioctyltin (TOT) - Triphenyltin (TPhT) - Tricyclohexyltin (TcyT)	--	%	<0.1	ND
DBT	14488-53-0	%	<0.1	ND
DOT	3542 -36-7	%	<0.1	ND
Conclusion	-	-	-	PASS

Note / Key:

MDL = Method Detection Limit

ND = Not Detected% = percentage

Detection Limit(%): 0.01

Polycyclic Aromatic Hydrocarbons (PAHs) Content – Regulation (EC) No. 1907/2006 Annex XVII Entry 50, Point 5

Test Method : With reference to test method mentioned in German AfPS GS 2019:01 PAK.

Parameter	Unit	Result				Maximum Allowable Limit
		3 + 22 + 23	24	26	30 + 74 + 75	
Benzo (a) anthracene	mg/kg	ND	ND	ND	ND	0.5
Chrysene	mg/kg	ND	ND	ND	ND	0.5
Benzo (b) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (j) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (k) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (e) pyrene	mg/kg	ND	ND	ND	ND	0.5
Benzo (a) pyrene	mg/kg	ND	ND	ND	ND	0.5
Dibenzo (a,h) anthracene	mg/kg	ND	ND	ND	ND	0.5
Conclusion	-	PASS	PASS	PASS	PASS	-



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 12 of 47

Parameter	Unit	Result				Maximum Allowable Limit
		50 + 51 + 52	53 + 54 + 55	56 + 57 + 58	59 + 60 + 61	
Benzo (a) anthracene	mg/kg	ND	ND	ND	ND	0.5
Chrysene	mg/kg	ND	ND	ND	ND	0.5
Benzo (b) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (j) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (k) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (e) pyrene	mg/kg	ND	ND	ND	ND	0.5
Benzo (a) pyrene	mg/kg	ND	ND	ND	ND	0.5
Dibenzo (a,h) anthracene	mg/kg	ND	ND	ND	ND	0.5
Conclusion	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result				Maximum Allowable Limit
		76 + 77 + 78	79 + 80 + 81	82 + 83 + 84	85 + 86 + 87	
Benzo (a) anthracene	mg/kg	ND	ND	ND	ND	0.5
Chrysene	mg/kg	ND	ND	ND	ND	0.5
Benzo (b) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (j) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (k) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (e) pyrene	mg/kg	ND	ND	ND	ND	0.5
Benzo (a) pyrene	mg/kg	ND	ND	ND	ND	0.5
Dibenzo (a,h) anthracene	mg/kg	ND	ND	ND	ND	0.5
Conclusion	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result				Maximum Allowable Limit
		89	90 + 91 + 92	95 + 96 + 97	98 + 99 + 100	
Benzo (a) anthracene	mg/kg	ND	ND	ND	ND	0.5
Chrysene	mg/kg	ND	ND	ND	ND	0.5
Benzo (b) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (j) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (k) fluoranthene	mg/kg	ND	ND	ND	ND	0.5
Benzo (e) pyrene	mg/kg	ND	ND	ND	ND	0.5
Benzo (a) pyrene	mg/kg	ND	ND	ND	ND	0.5
Dibenzo (a,h) anthracene	mg/kg	ND	ND	ND	ND	0.5
Conclusion	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result		Maximum Allowable Limit
		101 + 102 + 103	104 + 105 + 106	
Benzo (a) anthracene	mg/kg	ND	ND	0.5
Chrysene	mg/kg	ND	ND	0.5

Benzo (b) fluoranthene	mg/kg	ND	ND	0.5
Benzo (j) fluoranthene	mg/kg	ND	ND	0.5
Benzo (k) fluoranthene	mg/kg	ND	ND	0.5
Benzo (e) pyrene	mg/kg	ND	ND	0.5
Benzo (a) pyrene	mg/kg	ND	ND	0.5
Dibenzo (a,h) anthracene	mg/kg	ND	ND	0.5
Conclusion	-	PASS	PASS	-

Note / Key :

ND = Not detected

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

Detection Limit (mg/kg):

For individual testing - Each of the listed PAHs(mg/kg) : 0.2

For composite testing - Each of the listed PAHs(mg/kg) : 0.1

Pentachlorophenol and its salt and ester (PCP) Content - European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs) , Annex I, Part A

Test Method : Solvent extraction and analysis by Gas Chromatograph Mass Spectrometer (GC-MS).

Maximum Limit:	5mg/kg
-----------------------	---------------

Test Item(s)	Result	Unit	Conclusion
1	ND	mg/kg	PASS
2	ND	mg/kg	PASS

Note / Key:

ND = Not Detected
per kilogram

mg/kg = milligram

Detect limit (mg/kg) : 0.05

Phthalates Content – Reference to regulation (EC) No. 1907/2006 Annex XVII Entry 51 & 52

Test Method : Reference to EN 14372:2004.

Parameter	CAS No.	Unit	Maximum Allowable Limit	Result			
	-	-	-	3 + 22 + 23	24	25	26
A. For toys and childcare articles							
DBP	84-74-2	%	<0.1	ND	ND	ND	ND
BBP	85-68-7	%	<0.1	ND	ND	ND	ND
DEHP	117-81-7	%	<0.1	ND	ND	ND	ND
DiBP	84-69-5	%	<0.1	ND	ND	ND	ND
B. Additional requirements for toys and childcare articles, which can be placed in mouth by the children (See remark)							
DnOP	117-84-0	%	<0.1	ND	ND	ND	ND



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 14 of 47

DINP	28553-12-0&68515-48-0	%	<0.1	ND	ND	ND	ND
DIDP	26761-40-0 & 68515-49-1	%	<0.1	ND	ND	ND	ND
Sum of DBP, BBP, DEHP, DIBP		%	<0.1	ND	ND	ND	ND
Sum of DNOP, DIDP, DINP		%	<0.1	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	Maximum Allowable Limit	Result			
	-	-	-	30 + 74 + 75	50 + 51 + 52	53 + 54 + 55	56 + 57 + 58
A. For toys and childcare articles							
DBP	84-74-2	%	<0.1	ND	ND	ND	ND
BBP	85-68-7	%	<0.1	ND	ND	ND	ND
DEHP	117-81-7	%	<0.1	ND	ND	ND	ND
DiBP	84-69-5	%	<0.1	ND	ND	ND	ND
B. Additional requirements for toys and childcare articles, which can be placed in mouth by the children (See remark)							
DnOP	117-84-0	%	<0.1	ND	ND	ND	ND
DINP	28553-12-0&68515-48-0	%	<0.1	ND	ND	ND	ND
DIDP	26761-40-0 & 68515-49-1	%	<0.1	ND	ND	ND	ND
Sum of DBP, BBP, DEHP, DIBP		%	<0.1	ND	ND	ND	ND
Sum of DNOP, DIDP, DINP		%	<0.1	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	Maximum Allowable Limit	Result			
	-	-	-	59 + 60 + 61	76 + 77 + 78	79 + 80 + 81	82 + 83 + 84
A. For toys and childcare articles							
DBP	84-74-2	%	<0.1	ND	ND	ND	ND
BBP	85-68-7	%	<0.1	ND	ND	ND	ND
DEHP	117-81-7	%	<0.1	ND	ND	ND	ND
DiBP	84-69-5	%	<0.1	0.022	ND	ND	ND
B. Additional requirements for toys and childcare articles, which can be placed in mouth by the children (See remark)							
DnOP	117-84-0	%	<0.1	ND	ND	ND	ND
DINP	28553-12-0&68515-48-0	%	<0.1	ND	ND	ND	ND



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 15 of 47

DIDP	26761-40-0 & 68515-49-1	%	<0.1	ND	ND	ND	ND
Sum of DBP, BBP, DEHP, DIBP		%	<0.1	0.022	ND	ND	ND
Sum of DNOP, DIDP, DINP		%	<0.1	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	Maximum Allowable Limit	Result			
	-	-	-	85 + 86 + 87	89	90 + 91 + 92	93 + 94
A. For toys and childcare articles							
DBP	84-74-2	%	<0.1	ND	ND	ND	ND
BBP	85-68-7	%	<0.1	ND	ND	ND	ND
DEHP	117-81-7	%	<0.1	ND	ND	ND	ND
DiBP	84-69-5	%	<0.1	ND	ND	ND	ND
B. Additional requirements for toys and childcare articles, which can be placed in mouth by the children (See remark)							
DnOP	117-84-0	%	<0.1	ND	ND	ND	ND
DINP	28553-12-0 & 68515-48-0	%	<0.1	ND	ND	ND	ND
DIDP	26761-40-0 & 68515-49-1	%	<0.1	ND	ND	ND	ND
Sum of DBP, BBP, DEHP, DIBP		%	<0.1	ND	ND	ND	ND
Sum of DNOP, DIDP, DINP		%	<0.1	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	Maximum Allowable Limit	Result			
	-	-	-	95 + 96 + 97	98 + 99 + 100	101 + 102 + 103	104 + 105 + 106
A. For toys and childcare articles							
DBP	84-74-2	%	<0.1	ND	ND	ND	ND
BBP	85-68-7	%	<0.1	ND	ND	ND	ND
DEHP	117-81-7	%	<0.1	ND	ND	ND	ND
DiBP	84-69-5	%	<0.1	ND	ND	ND	ND
B. Additional requirements for toys and childcare articles, which can be placed in mouth by the children (See remark)							
DnOP	117-84-0	%	<0.1	ND	ND	ND	ND
DINP	28553-12-0 & 68515-48-0	%	<0.1	ND	ND	ND	ND
DIDP	26761-40-0 & 68515-49-1	%	<0.1	ND	ND	ND	ND



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 16 of 47

Sum of DBP, BBP, DEHP, DIBP		%	<0.1	ND	ND	ND	ND
Sum of DNOP, DIDP, DINP		%	<0.1	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Note / Key:

ND = Not Detected

Conc. = Concentration

Detection Limit (%): Each 0.005 % = percentage

Remark: The list of phthalates is summarized in table of Appendix

List of Phthalates Content – Reference To Regulation (EC) No. 1907/2006 Annex XVII Entry 51 & 52					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	DBP	84-74-2	5	DINP	28553-12-0 & 68515-48-0
2	BBP	85-68-7	6	DIDP	26761-40-0 & 68515-49-1
3	DEHP	117-81-7	7	DiBP	84-69-5
4	DnOP	117-84-0	-	-	-

Total Cadmium Content in Plastic Material - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with its Latest Amendment, Entry 23

Test Method : EN 1122: 2001, Method B

Maximum Limit:	100 mg/kg
-----------------------	------------------

Test Item(s)	Result	Unit	Conclusion
3 + 22 + 23	ND	mg/kg	PASS
24	ND	mg/kg	PASS
30 + 74 + 75	ND	mg/kg	PASS
76 + 77 + 78	ND	mg/kg	PASS
79 + 80 + 81	ND	mg/kg	PASS
82 + 83 + 84	ND	mg/kg	PASS
85 + 86 + 87	ND	mg/kg	PASS
90 + 91 + 92	ND	mg/kg	PASS
93 + 94	ND	mg/kg	PASS

Note / Key:

ND = Not Detected

mg/kg = milligram per kilogram

MDL = Method Detection Limit

Detection Limit (mg/kg): 10

Total Cd Content & As Client's requirement

Test Method : The sample is comminuted and digested with acid mixtures, then analyzed by AAS technique or ICP-OES .



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025
Page 17 of 47

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			1 + 2	4 + 5 + 6	7 + 8	9 + 10	
Cadmium (Cd)	mg/kg	10	ND	ND	ND	ND	100
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			11 + 12 + 13	14 + 15 + 16	17 + 18 + 19	20 + 21	
Cadmium (Cd)	mg/kg	10	ND	ND	ND	ND	100
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			25	27	28	29	
Cadmium (Cd)	mg/kg	10	ND	ND	ND	ND	100
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			31	32	33 + 34 + 35	36 + 37	
Cadmium (Cd)	mg/kg	10	ND	ND	ND	ND	100
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			38 + 39 + 40	41 + 42 + 43	44 + 45 + 46	47 + 48 + 49	
Cadmium (Cd)	mg/kg	10	ND	ND	ND	ND	100
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			62 + 63 + 64	65 + 66 + 67	68 + 69 + 70	71 + 72 + 73	
Cadmium (Cd)	mg/kg	10	ND	ND	ND	ND	100
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			88	89	95 + 96 + 97	98 + 99 + 100	
Cadmium (Cd)	mg/kg	10	ND	ND	ND	ND	100
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result		Maximum Allowable Limit
			101 + 102 + 103	104 + 105 + 106	
Cadmium (Cd)	mg/kg	10	ND	ND	100
Conclusion	-	-	PASS	PASS	-

Note / Key:

ND = Not Detected
 mg/kg = milligram per kilogram

MDL = Method Detection Limit

Migration of Certain Elements - EN71-3:2019+A1:2021

Test Method: European Standard EN71-3:2019+A1:2021

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		1	2	3	22	23
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		24	25	26	27	29
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.

Technical Report: **(3225)098-0456**

June 05, 2025

Page 19 of 47

Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		30	31	32	50	51
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		52	53	54	55	56
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 20 of 47

Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		57	58	59	60	61
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		74	75	76	77	78
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 21 of 47

VI)						
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		79	80	81	82	83
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		84	85	86	87	90
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 22 of 47

Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)	
		Sample ID	
		91	92
Boron (B)	15000	<1500	<1500
Aluminium (Al)	28130	<2813	<2813
Chromium III (Cr III)	460	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500
Cobalt (Co)	130	<13	<13
Nickel (Ni)	930	<93	<93
Copper (Cu)	7700	<770	<770
Zinc (Zn)	46000	<4600	<4600
Arsenic (As)	47	<4.7	<4.7
Selenium (Se)	460	<46	<46
Strontium (Sr)	56000	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000
Organic tin	12	<1.2	<1.2
Antimony (Sb)	560	<56	<56
Barium (Ba)	18750	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3
Conclusion		PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)	
		Sample ID	



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 23 of 47

		4	5	6	7	8
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		9	10	11	12	13
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS	PASS



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025
Page 24 of 47

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		14	15	16	17	18
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	0.134
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2	0.395
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		19	20	21	28	33
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 25 of 47

Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	0.946	0.678
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		34	35	36	37	38
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	0.251	<0.2	<0.2	0.504
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		39	40	41	42	43
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	343	305	371	339	286
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 26 of 47

Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	0.865	1.29	0.851	0.880	1.03
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		44	45	46	47	48
Boron (B)	1200	<120	<120	<120	174	<120
Aluminium (Al)	2250	237	260	238	<225	270
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	1390	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	0.179	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	1.01	0.929	1.17	1.47	0.599
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		49	88	95	96	97
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	305	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 27 of 47

Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	1.33	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		98	99	100	101	102
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)			
		Sample ID			
		103	104	105	106
Boron (B)	1200	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 28 of 47

Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS

Analyte	Limit: Type II	Result (mg/kg)				
		Sample ID				
		62	63	64	65	66
Boron (B)	300	<30	<30	<30	<30	<30
Aluminium (Al)	560	<56	<56	<56	<56	<56
Chromium III (Cr III)	9.4	<0.94	<0.94	<0.94	<0.94	<0.94
Chromium VI (Cr VI)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	300	<30	<30	<30	<30	<30
Cobalt (Co)	2.6	<0.26	<0.26	<0.26	<0.26	<0.26
Nickel (Ni)	18.8	<1.88	<1.88	<1.88	<1.88	<1.88
Copper (Cu)	156	<15.6	<15.6	<15.6	<15.6	<15.6
Zinc (Zn)	938	<93.8	<93.8	<93.8	<93.8	<93.8
Arsenic (As)	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Selenium (Se)	9.4	<0.94	<0.94	<0.94	<0.94	<0.94
Strontium (Sr)	1125	<112.5	<112.5	<112.5	<112.5	<112.5
Cadmium (Cd)	0.3	<0.03	<0.03	<0.03	<0.03	<0.03
Tin (Sn)	3750	<375	<375	<375	<375	<375
Organic tin	0.2	<0.02	<0.02	<0.02	<0.02	<0.02
Antimony (Sb)	11.3	2.73	2.55	2.81	2.07	2.58
Barium (Ba)	375	<37.5	<37.5	<37.5	<37.5	<37.5
Mercury (Hg)	1.9	<0.19	<0.19	<0.19	<0.19	<0.19
Lead (Pb)	0.5	0.184	0.137	0.120	0.225	0.210
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type II	Result (mg/kg)				
		Sample ID				
		67	68	69	70	71
Boron (B)	300	<30	31.4	<30	<30	<30
Aluminium (Al)	560	<56	<56	<56	<56	<56
Chromium III (Cr III)	9.4	<0.94	<0.94	<0.94	<0.94	<0.94
Chromium VI (Cr VI)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	300	<30	<30	<30	<30	<30
Cobalt (Co)	2.6	<0.26	<0.26	<0.26	<0.26	<0.26



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 29 of 47

Nickel (Ni)	18.8	<1.88	<1.88	<1.88	<1.88	<1.88
Copper (Cu)	156	<15.6	<15.6	<15.6	<15.6	<15.6
Zinc (Zn)	938	<93.8	<93.8	<93.8	<93.8	<93.8
Arsenic (As)	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Selenium (Se)	9.4	<0.94	<0.94	<0.94	<0.94	<0.94
Strontium (Sr)	1125	<112.5	<112.5	<112.5	<112.5	<112.5
Cadmium (Cd)	0.3	<0.03	<0.03	<0.03	<0.03	<0.03
Tin (Sn)	3750	<375	<375	<375	<375	<375
Organic tin	0.2	<0.02	<0.02	<0.02	<0.02	<0.02
Antimony (Sb)	11.3	2.23	2.55	2.51	2.31	2.25
Barium (Ba)	375	<37.5	<37.5	<37.5	<37.5	<37.5
Mercury (Hg)	1.9	<0.19	<0.19	<0.19	<0.19	<0.19
Lead (Pb)	0.5	0.376	0.128	0.209	0.148	0.095
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type II	Result (mg/kg)		
		Sample ID		
		72	73	89
Boron (B)	300	<30	<30	<30
Aluminium (Al)	560	<56	<56	<56
Chromium III (Cr III)	9.4	<0.94	<0.94	<0.94
Chromium VI (Cr VI)	0.005	<0.005	<0.005	<0.005
Manganese (Mn)	300	<30	<30	<30
Cobalt (Co)	2.6	<0.26	<0.26	<0.26
Nickel (Ni)	18.8	<1.88	<1.88	<1.88
Copper (Cu)	156	<15.6	<15.6	<15.6
Zinc (Zn)	938	<93.8	<93.8	<93.8
Arsenic (As)	0.9	<0.09	<0.09	<0.09
Selenium (Se)	9.4	<0.94	<0.94	<0.94
Strontium (Sr)	1125	<112.5	<112.5	<112.5
Cadmium (Cd)	0.3	<0.03	<0.03	<0.03
Tin (Sn)	3750	<375	<375	<375
Organic tin	0.2	<0.02	<0.02	<0.02
Antimony (Sb)	11.3	2.07	2.73	<1.13
Barium (Ba)	375	<37.5	<37.5	<37.5
Mercury (Hg)	1.9	<0.19	<0.19	<0.19
Lead (Pb)	0.5	0.092	0.103	<0.05
Conclusion		PASS	PASS	PASS

Note / Key:

ND = Not Detected

mg/kg = milligram per kilogram

Remark :

- Test Item(s) was (were) tested according to European Standard EN 71-3: 2019 + A1: 2021, Section 8.
- Results of Cr III and Cr VI were reported as sum of soluble chromium content unless further verified.
- Result(s) of organic tin was (were) calculated by assuming the soluble tin content was wholly contributed from tributyltin (TBT) cation unless further specified.

- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.
- European Standard EN 71 Part 3: 2019 + A1: 2021 is currently harmonized under European Parliament and Council Directive 2009/48/EC and will be superseded when European Standard EN 71 Part 3: 2019 + A2: 2024 is harmonized.

Total Cadmium Content in Paints on Painted Article - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with its Latest Amendment, Annex XVII, Entry 23

Test Method : EN 1122: 2001, Method B

Maximum Limit:	1000 mg/kg
-----------------------	-------------------

Test Item(s)	Result	Unit	Conclusion
26	ND	mg/kg	PASS
50 + 51 + 52	ND	mg/kg	PASS
53 + 54 + 55	ND	mg/kg	PASS
56 + 57 + 58	ND	mg/kg	PASS
59 + 60 + 61	ND	mg/kg	PASS

Note / Key:

mg/kg = milligram per kilogram

Detection Limit (mg/kg):10

ND = Not Detected

MDL = Method Detection Limit

Entry 48 in Annex XVII of REACH Regulation (EC) No 1907/2006 – Toluene

Test Method : Sample were heated in the headspace vials and analyzed with Gas Chromatograph Mass Spectrometer (HS-GC-MS).

Parameter	Unit	Result	Maximum Allowable Limit
		89	
Toluene	mg/kg	ND	1000
Conclusion	-	PASS	-

Note / Key:

mg/kg = milligram per kilogram

ND = Not Detected

Benzene Content - European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with its Latest Amendment, Annex XVII, Entry 72

Test Method : Analysis by Headspace Gas Chromatograph Mass Spectrometer (HS-GC-MS).

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			62	63	64	65	
Benzene	mg/kg	5	ND	ND	ND	ND	5



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 31 of 47

Conclusion	-	-	PASS	PASS	PASS	PASS	-
-------------------	---	---	------	------	------	------	---

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			66	67	68	69	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			70	71	72	73	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			89	95 + 96 + 97	98 + 99 + 100	101 + 102 + 103	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result	Maximum Allowable Limit
			104 + 105 + 106	
Benzene	mg/kg	5	ND	5
Conclusion	-	-	PASS	-

Note / Key :

ND = Not detected ">" = Greater than Conc. = Concentration

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

Detection Limit (mg/kg) :5

Benzene Content in Toys or Parts of Toys - European Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with Amendment up to EU No. 412/2012, Annex XVII, Entry 5, Point 1

Test Method : Analysis by Headspace Gas Chromatograph Mass Spectrometer (HS-GC-MS).

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			3 + 22 + 23	4 + 5 + 6	7 + 8	9 + 10	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			11 + 12 + 13	14 + 15 + 16	17 + 18 + 19	20 + 21	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 32 of 47

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			24	25	26	28	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			29	30 + 74 + 75	33 + 34 + 35	36 + 37	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			38 + 39 + 40	41 + 42 + 43	44 + 45 + 46	47 + 48 + 49	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			50 + 51 + 52	53 + 54 + 55	56 + 57 + 58	59 + 60 + 61	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			76 + 77 + 78	79 + 80 + 81	82 + 83 + 84	85 + 86 + 87	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result				Maximum Allowable Limit
			88	90 + 91 + 92	93 + 94	95 + 96 + 97	
Benzene	mg/kg	5	ND	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Maximum Allowable Limit
			98 + 99 + 100	101 + 102 + 103	104 + 105 + 106	
Benzene	mg/kg	5	ND	ND	ND	5
Conclusion	-	-	PASS	PASS	PASS	-

Note / Key:

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

Detection Limit (mg/kg) :5

ND = Not detected ">" = Greater than %= percent
10000mg/kg=1%

EU No.=European Commission Regulation number

Migration of Certain Elements - EN 71-3:2019+A2:2024

Test Method:EN 71-3:2019+A2:2024

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		1	2	3	22	23
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		24	25	26	27	29
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 34 of 47

Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		30	31	32	50	51
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		52	53	54	55	56
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 35 of 47

Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		57	58	59	60	61
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		74	75	76	77	78
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 36 of 47

Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		79	80	81	82	83
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)				
		Sample ID				
		84	85	86	87	90
Boron (B)	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	28130	<2813	<2813	<2813	<2813	<2813
Chromium III (Cr III)	460	<46	<46	<46	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02	<0.02	<0.02	<0.02



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 37 of 47

Manganese (Mn)	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	130	<13	<13	<13	<13	<13
Nickel (Ni)	930	<93	<93	<93	<93	<93
Copper (Cu)	7700	<770	<770	<770	<770	<770
Zinc (Zn)	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	47	<4.7	<4.7	<4.7	<4.7	<4.7
Selenium (Se)	460	<46	<46	<46	<46	<46
Strontium (Sr)	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	12	<1.2	<1.2	<1.2	<1.2	<1.2
Antimony (Sb)	560	<56	<56	<56	<56	<56
Barium (Ba)	18750	<1875	<1875	<1875	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4	<9.4	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3	<2.3	<2.3	<2.3
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type III	Result (mg/kg)	
		Sample ID	
		91	92
Boron (B)	15000	<1500	<1500
Aluminium (Al)	28130	<2813	<2813
Chromium III (Cr III)	460	<46	<46
Chromium VI (Cr VI)	0.053	<0.02	<0.02
Manganese (Mn)	15000	<1500	<1500
Cobalt (Co)	130	<13	<13
Nickel (Ni)	930	<93	<93
Copper (Cu)	7700	<770	<770
Zinc (Zn)	46000	<4600	<4600
Arsenic (As)	47	<4.7	<4.7
Selenium (Se)	460	<46	<46
Strontium (Sr)	56000	<5600	<5600
Cadmium (Cd)	17	<1.7	<1.7
Tin (Sn)	180000	<18000	<18000
Organic tin	12	<1.2	<1.2
Antimony (Sb)	560	<56	<56
Barium (Ba)	18750	<1875	<1875
Mercury (Hg)	94	<9.4	<9.4
Lead (Pb)	23	<2.3	<2.3
Conclusion		PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		4	5	6	7	8
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225

Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		9	10	11	12	13
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 39 of 47

		14	15	16	17	18
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	0.134
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2	0.395
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		19	20	21	28	33
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	0.946	0.678
Conclusion		PASS	PASS	PASS	PASS	PASS



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 40 of 47

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		34	35	36	37	38
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	0.251	<0.2	<0.2	0.504
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		39	40	41	42	43
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	343	305	371	339	286
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 41 of 47

Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	0.865	1.29	0.851	0.880	1.03
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		44	45	46	47	48
Boron (B)	1200	<120	<120	<120	174	<120
Aluminium (Al)	2250	237	260	238	<225	270
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	1390	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	0.179	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	1.01	0.929	1.17	1.47	0.599
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		49	88	95	96	97
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	305	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 42 of 47

Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	1.33	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)				
		Sample ID				
		98	99	100	101	102
Boron (B)	1200	<120	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450	<450
Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type I	Result (mg/kg)			
		Sample ID			
		103	104	105	106
Boron (B)	1200	<120	<120	<120	<120
Aluminium (Al)	2250	<225	<225	<225	<225
Chromium III (Cr III)	37.5	<3.75	<3.75	<3.75	<3.75
Chromium VI (Cr VI)	0.02	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	1200	<120	<120	<120	<120
Cobalt (Co)	10.5	<1.05	<1.05	<1.05	<1.05
Nickel (Ni)	75	<7.5	<7.5	<7.5	<7.5
Copper (Cu)	622.5	<62.25	<62.25	<62.25	<62.25
Zinc (Zn)	3750	<375	<375	<375	<375
Arsenic (As)	3.8	<0.38	<0.38	<0.38	<0.38
Selenium (Se)	37.5	<3.75	<3.75	<3.75	<3.75
Strontium (Sr)	4500	<450	<450	<450	<450



**BUREAU
VERITAS**

MID OCEAN BRANDS B.V.
Technical Report: **(3225)098-0456**

June 05, 2025

Page 43 of 47

Cadmium (Cd)	1.3	<0.13	<0.13	<0.13	<0.13
Tin (Sn)	15000	<1500	<1500	<1500	<1500
Organic tin	0.9	<0.09	<0.09	<0.09	<0.09
Antimony (Sb)	45	<4.5	<4.5	<4.5	<4.5
Barium (Ba)	1500	<150	<150	<150	<150
Mercury (Hg)	7.5	<0.75	<0.75	<0.75	<0.75
Lead (Pb)	2	<0.2	<0.2	<0.2	<0.2
Conclusion		PASS	PASS	PASS	PASS

Analyte	Limit: Type II	Result (mg/kg)				
		Sample ID				
		62	63	64	65	66
Boron (B)	300	<30	<30	<30	<30	<30
Aluminium (Al)	560	<56	<56	<56	<56	<56
Chromium III (Cr III)	9.4	<0.94	<0.94	<0.94	<0.94	<0.94
Chromium VI (Cr VI)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	300	<30	<30	<30	<30	<30
Cobalt (Co)	2.6	<0.26	<0.26	<0.26	<0.26	<0.26
Nickel (Ni)	18.8	<1.88	<1.88	<1.88	<1.88	<1.88
Copper (Cu)	156	<15.6	<15.6	<15.6	<15.6	<15.6
Zinc (Zn)	938	<93.8	<93.8	<93.8	<93.8	<93.8
Arsenic (As)	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Selenium (Se)	9.4	<0.94	<0.94	<0.94	<0.94	<0.94
Strontium (Sr)	1125	<112.5	<112.5	<112.5	<112.5	<112.5
Cadmium (Cd)	0.3	<0.03	<0.03	<0.03	<0.03	<0.03
Tin (Sn)	3750	<375	<375	<375	<375	<375
Organic tin	0.2	<0.02	<0.02	<0.02	<0.02	<0.02
Antimony (Sb)	11.3	2.73	2.55	2.81	2.07	2.58
Barium (Ba)	375	<37.5	<37.5	<37.5	<37.5	<37.5
Mercury (Hg)	1.9	<0.19	<0.19	<0.19	<0.19	<0.19
Lead (Pb)	0.5	0.184	0.137	0.120	0.225	0.210
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type II	Result (mg/kg)				
		Sample ID				
		67	68	69	70	71
Boron (B)	300	<30	31.4	<30	<30	<30
Aluminium (Al)	560	<56	<56	<56	<56	<56
Chromium III (Cr III)	9.4	<0.94	<0.94	<0.94	<0.94	<0.94
Chromium VI (Cr VI)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Mn)	300	<30	<30	<30	<30	<30
Cobalt (Co)	2.6	<0.26	<0.26	<0.26	<0.26	<0.26
Nickel (Ni)	18.8	<1.88	<1.88	<1.88	<1.88	<1.88
Copper (Cu)	156	<15.6	<15.6	<15.6	<15.6	<15.6
Zinc (Zn)	938	<93.8	<93.8	<93.8	<93.8	<93.8



Arsenic (As)	0.9	<0.09	<0.09	<0.09	<0.09	<0.09
Selenium (Se)	9.4	<0.94	<0.94	<0.94	<0.94	<0.94
Strontium (Sr)	1125	<112.5	<112.5	<112.5	<112.5	<112.5
Cadmium (Cd)	0.3	<0.03	<0.03	<0.03	<0.03	<0.03
Tin (Sn)	3750	<375	<375	<375	<375	<375
Organic tin	0.2	<0.02	<0.02	<0.02	<0.02	<0.02
Antimony (Sb)	11.3	2.23	2.55	2.51	2.31	2.25
Barium (Ba)	375	<37.5	<37.5	<37.5	<37.5	<37.5
Mercury (Hg)	1.9	<0.19	<0.19	<0.19	<0.19	<0.19
Lead (Pb)	0.5	0.376	0.128	0.209	0.148	0.095
Conclusion		PASS	PASS	PASS	PASS	PASS

Analyte	Limit: Type II	Result (mg/kg)		
		Sample ID		
		72	73	89
Boron (B)	300	<30	<30	<30
Aluminium (Al)	560	<56	<56	<56
Chromium III (Cr III)	9.4	<0.94	<0.94	<0.94
Chromium VI (Cr VI)	0.005	<0.005	<0.005	<0.005
Manganese (Mn)	300	<30	<30	<30
Cobalt (Co)	2.6	<0.26	<0.26	<0.26
Nickel (Ni)	18.8	<1.88	<1.88	<1.88
Copper (Cu)	156	<15.6	<15.6	<15.6
Zinc (Zn)	938	<93.8	<93.8	<93.8
Arsenic (As)	0.9	<0.09	<0.09	<0.09
Selenium (Se)	9.4	<0.94	<0.94	<0.94
Strontium (Sr)	1125	<112.5	<112.5	<112.5
Cadmium (Cd)	0.3	<0.03	<0.03	<0.03
Tin (Sn)	3750	<375	<375	<375
Organic tin	0.2	<0.02	<0.02	<0.02
Antimony (Sb)	11.3	2.07	2.73	<1.13
Barium (Ba)	375	<37.5	<37.5	<37.5
Mercury (Hg)	1.9	<0.19	<0.19	<0.19
Lead (Pb)	0.5	0.092	0.103	<0.05
Conclusion		PASS	PASS	PASS

Key(s):

Type I = Dry, brittle, powder-like or pliable toy material(s)

Type II = Liquid or sticky toy material(s)

Type III = Scraped-off toy material(s)

Remark(s) :

- Results of Cr III and Cr VI were reported as sum of soluble chromium content unless further verified.
- Result(s) of organic tin was (were) calculated by assuming the soluble tin content was wholly contributed from tributyltin (TBT) cation unless further specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.
- European Standard EN 71 Part 3: 2019 + A1: 2021 is currently harmonized under European Parliament and Council Directive 2009/48/EC and will be superseded when European Standard EN 71-3: 2019 + A2: 2024 is harmonized.

Entry 32 in Annex XVII of REACH Regulation (EC) No 1907/2006 – Chloroform

Test Method: Samples were heated in the headspace vials and analyzed with Gas Chromatography Mass Spectrometer (HS-GC-MS).

Parameter	Unit	MDL	Result	Limit:
			89	-
Chloroform	mg/kg	10	ND	1000
Conclusion	-	-	PASS	-

SAMPLE REFERENCE PHOTO:





-- END OF REPORT --