



K&M INTERNATIONAL (HK) LIMITED

Technical Report: (8822)132-0033(G)

Jun 10, 2023

Date Received: May 11, 2022

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K&M INTERNATIONAL (HK) LIMITED
SUITE B, 12/F, RITZ PLAZA, 122 AUSTIN ROAD, TST., KOWLOON,
HONGKONG

Sample Description:	EDUCATIONAL TOYS	Sample Size:	75
Vendor:	K&M INTERNATIONAL (HK) LIMITED	Style No(s):	SEE ATTACHMENT
Manufacturer:	WOW TOYS (GZ) LIMITED	SKN/SKU No.:	NOT PROVIDE
Labeled Age Grade:	SEE ATTACHMENT	PO No.:	NOT PROVIDE
Appropriate Age Grade:	NOT REQUESTED	Ref #:	NOT PROVIDE
Client Specified Age Grade:	6+	Country of Origin:	CHINA
Tested Age Grade:	OVER 6 YEARS OF AGE	Assortment No.:	NOT PROVIDE
UPC Code:	N/A	Other information:	NOT PROVIDE
Country of Destination:	USA&EU&AU&CAN	Test Finished Date:	SEP 5, 2022
Test Starting Date:	MAY 11, 2022		

BUREAU VERITAS SHENZHEN CO.,LTD
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REMARK

If there are questions or concerns on this report, please contact the following persons:

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EXECUTIVE SUMMARY:

Test Requested	Conclusion
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
Labeling requirements of "CE marking, manufacturer/ Importer name and address, and product identification" under "Directive 2009/48/EC Safety of Toy".	PASS
Flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2020.	PASS
Migration of Certain Elements in Category I - Dry, brittle, powder-like or pliable toy material requirements of the European Standard, "Safety of toys", EN 71-3:2019+A1:2021.	PASS
Migration of Certain Elements in Category II - Liquid or sticky toy material requirements of the European Standard, "Safety of toys", EN 71-3:2019+A1:2021.	PASS
Migration of Certain Elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of toys", EN 71-3:2019+A1:2021.	PASS
Total Cadmium Content – European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII, Item no. 23.	PASS
BBP, DBP ,DEHP and DIBP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 51(amended up to EU No.2018/2005).	PASS
DNOP, DINP and DIDP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 52.	PASS

- Note: At the request of the client, the sample(s) was evaluated for use by children 6+.
- Note: At the request of the client, EN71/Part 2:2020 the Clause 4.1 about liquids flammability requirement(s) was waived for this submission
- Note: The manufacturer / importer information was present on the packaging only. It has to be noted that, or according to TSD 2009/48/EC, the manufacturers/ importer shall indicate their name, registered trade name registered trade mark and the address at which they can be contacted on the toy, or, where that is not possible, on its packaging or in a document accompanying the toy."
- Note: The product identification is present on the packaging only. It has to be noted that, According to TSD 2009/48/EC, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or, where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.
- Note: At the request of client, test(s) was conducted on the certain component(s) of the submitted samples(s) / submitted component(s).
- Note: The composite test sample(s) of the submitted samples was prepared in the manner requested by the client, when subject to the test performed.



ATTACHMENT:

Style No(s):

T3441 , T3442 , T3443 , T3444 , T3445 , T3446 , T3447 , T3448 , T3449 , T3450 , T3451 , T3452 , T3453 ,
T3454 , T2423 , T2424 , T2427 , T2428 , T2450 , T2451 , T2452 , T2453 , T2454 , T2455 , T2456 , T2457 ,
T2458 , T2459 , T2460 , T2461 , T2462 , T2463 , T2464 , T2465 , T2412 , T2413 , T2414 , T2426 , T2498 ,
T2499 , T2500 , T2501 , T2502 , T2503 , T2504 , T2505 , T2506 , T2507 , T2508 , T2509 , T2511 , T2512 ,
T2513 , T2514 , T2515 , T2516 , T2466 , T2467 , T2418 , T2520 , T2518 , T2517 , T2527 , T2528 , T2529 ,
G7452 , G7373 , G7374 , G7375 , G7453 , G7379 , G7380 , G7381 , G7382 , G7383 , G7384 , G7385 , G7386 ,
G7303 , G7304

Client Specified Age Grade:

6+: NO.SC248, NO.SC303A, NO.SC304S, NO.SC252, NO.SC303B, T2453, NO.SC297, NO.SC53, T2465,
NO.SC314, NO.SC303C, NO.SC304B, NO.SC304C, NO.SC299, NO.298
AGES 6+: EXCAUATION KIT
10+: NO.SC249



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	All coating	Surface of books	19
I002	Flesh color/black/white coating	Surface of hedgehog base	21,22
I003	Golden coating	Surface of treasure chest	10
I004	Light flesh color coating	Surface of hedgehog base	21,22
I005	Rose coating	Surface of dinosaur base	13
I006	Lake blue coating	Surface of dinosaur base	13
I007	Deep orange coating	Surface of dinosaur base	13
I008	Yellow coating	Surface of small dinosaur	15
I009	Black coating	Surface of small dinosaur	15
I010	Shiny red coating	Surface of small dinosaur	15
I011	Green coating	Surface of small dinosaur	15
I012	Matt purple coating	Surface of small dinosaur	15
I013	Matt deep purple coating	Surface of small dinosaur	15
I014	Red coating	Surface of small dinosaur	15
I015	Light green coating	Surface of small dinosaur	15
I016^	White coating	Octopus	2
I017^	Black coating	Eyes	2
I018^	Green coating	Head of orange	2
I019^	Black coating	Surface of skull	16
I020	Deep golden coating	Octopus treasure chest	10
I021^	Deep red coating	Surface of skull	10
I022	blackish green/green coating	Surface of small dinosaur	15
I023	Green/purple coating	Surface of small dinosaur	15



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Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I024	Dull purple/green coating	Surface of small dinosaur	15
I025	Dull green/shiny purple coating	Surface of small dinosaur	15
I026	Sky blue/golden/yellow coating	Surface of small unicorn	2
I027	Gray green /golden /yellow coating	Surface of small unicorn	2
I028^	Orange/black/light yellow coating	Hamburger	2
I029^	Transparent plastic	Glue of hammer	1,2,10,15,16,18,20
I030	Light white plastic	Skeleton	1
I031	Off beige plastic	Small unicorn	2
I032	Snow white plastic	Cloud	2
I033	Orange plastic	Orange	2
I034	Red plastic	Strawberry	2
I035	White plastic	Foot of Strawberry	2
I036	Blackish green plastic	Head of strawberry	2
I037	White plastic	Hamburger	2
I038	Transparent pink plastic	Litchi	2
I040	Light pink plastic	Octopus	2
I042	Orange plastic	Carrot	2
I044	Green plastic	Pineapple	2
I045	Dull orange plastic	Pineapple	2
I047	Transparent white plastic	Cylinder box & cup	3,4,5,9,12,21,22
I048	Transparent plastic	Model	4,5,9,12
I049	Transparent plastic	Pipette	4,12,17
I050	Green plastic	Drawknife	4,12
I051	Gold glitters	Glitters	4,12,21
I052	Silvery glitters	Glitters	4,12
I053	Clear plastic	Measuring glass	4,5
I054	Shiny white plastic	Cap of small bottle & box	4,9,12,17
I055	Translucent white plastic	Small bottle	4,9,12,17
I056	Beige plastic	Handle of brush & chisel	5,8,23
I057	Gary plastic	Base	5,13
I058	Deep blue plastic	Tweezers	5,17



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I059	Clear plastic	Cap of box & magnifying glass	7,14,18,19,20,24
I060	Pale black plastic	Brush	8,23
I061	Deep flesh plastic	Skeleton	8
I062	Dull white plastic	Spoon	9,12,17
I063	Green plastic	Ball mold	9 , 12
I064	White plastic	Big lid	9 , 12,17
I068	Transparent Red plastic	Gem	10
I069	Transparent Pink plastic	Gem	10
I070	Transparent Light blue plastic	Gem	10
I071	Transparent yellow green plastic	Gem	10
I072	Deep beige plastic	Spoon	12
I073	Transparent yellow plastic	Stick star	13
I074	Transparent red plastic	Stick star	13
I075	Translucent green plastic	Dinosaur fossil	16,23
I076	Light taupe plastic	Bone	16
I077	Golden plastic	Pharaoh	16
I078	Transparent light blue plastic	Gem	16
I079	Pearl plastic	Pearl	16
I080	Pale white plastic	Tray	17
I081	Pink plastic	Needles	17
I082	Black plastic	Holder	19
I083	Dull beige plastic	Dinosaur fossil	23
I084	Blue plastic	Handle of brush	25
I085	Brown plastic	Brush	25
I086	Silver printed clear plastic with adhesive	Rhinestone	25
I087	Transparent green plastic	Rhinestone	25
I088	Transparent blue plastic	Rhinestone	25
I089	Transparent purple plastic	Rhinestone	25
I090	Transparent orange plastic	Rhinestone	25
I091	Transparent fuchsia plastic	Rhinestone	25
I092	Transparent peach plastic	Rhinestone	25
I093	Grey soft plastic	Skull	10,16
I094	Milk white soft plastic	Dinosaur fossil	16
I095	White soft plastic	Elastic core of goggles	19



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I096	White PVC	Small dinosaur	15
I097	Flesh PVC	Small dinosaur	15
I098	Taupe PVC	Dinosaur fossil	15
I099	Light taupe PVC	Dinosaur fossil	15
I100	Dull taupe PVC	Dinosaur fossil	15
I101	Clear PVC	Goggles frame	19
I102	Transparent light blue PVC	Goggles	19
I103	Silvery metal	Circular sleeve of brush	1,7,16,25
I104	Silvery metal	Flat sleeve of brush	2,10,14,15,18,20,25
I105	Silvery metal	Cords	5,21
I106	Rose red plated silvery metal	Short tube	25
I107	Silvery metal	Staple of book	19
I108	Red fabric	Fabric	5
I109	Blue fabric	Fabric	5
I110	Deep blue fabric	Fabric	5
I111	Taupe thread/taupe knit fabric	Bag	7
I112	Natural hemp rope	Rope of bag	7
I113	White nonwoven fabric	Lining of bag	7
I114	White fabric	Elastic shell of goggles	19
I115	Black printed dull beige fabric	Bag	19
I116	Matt black thread/matt black fabric	Bag	19
I117	Matt black rope	Rope of bag	20
I118	Taupe thread/taupe knit fabric	Bag	20
I119	White fabric	Fabric	21
I120	Red plush	Plush ball	21
I121	Orange plush	Plush ball	21
I122	White plush/silver plastic	Plush ball	21
I123	Deep natural hemp rope	Rope	25
I124	Yellow/white rope	Rope	5
I125	Multi colors printed white paper	Sticker	4,9,12,17
I126	Multicolor printed white paper	Books	19
I127	Milk white paper	Paper	17
I128	Natural plywood	Puzzle & butterfly	25



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I129	Natural wood	Hammer	1,2,10,14,15,16,18,20
I130	Deep natural wood	Brush handle	1,2,7,14,15,16,18,20
I131	Matt natural wood	Stick	1,2,3,4,5,7,9,12,14,15,16,18,20,21,22
I132	Beige fur	Brush	1,2,7,10,14,15,16,18,20
I133	Transparent soaps	Soap	4,12
I134	Transparent/white /gray stone	Stone	5
I135	Natural leaf	Leaf	9
I136	Purple/white stone	Stone	10
I137	White/light gray stone	Stone	14
I138	Black white stone	Stone	14
I139	Purple/blue/white stone	Stone	14
I140	Matt Gray/white stone	Stone	14
I141	Taupe solid	Conch	16
I142	Pale purple stone	Stone	16
I143	Brown with golden spot stone	Stone	16
I144	Brown/light purple/gray fossil	Fossil	18
I145	Brown/beige fossil	Fossil	18
I146	Beige/gray green/ fossil	Fossil	18
I147	Beige/transparent geodes	Geodes	19
I148	Brown/transparent geodes	Geodes	19
I149	Black stone	Stone	20
I150	Light purple/white stone	Stone	20
I151	Transparent white stone	Stone	20
I152	Translucent deep gray stone	Stone	20
I153	Transparent light gold stone	Stone	20
I154	Transparent gemstone	Natural stone	6,7,11,24
I155	Transparent white gemstone	Natural stone	6,7,11,24
I156	Purple/blue gemstone	Natural stone	6
I157	Light purple/white/gray gemstone	Natural stone	6
I158	Transparent light yellow gemstone	Natural stone	6
I159	Transparent yellow gemstone	Natural stone	6,11
I160	Transparent gray green gemstone	Natural stone	6,11



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I161	White/gray gemstone	Natural stone	6
I162	White/gray green/purple gemstone	Natural stone	6
I163	Light purple/gray green gemstone	Natural stone	6
I164	Purple/white/blue gemstone	Natural stone	6
I165	Bright black stone	Stone	7,11,24
I166	Matt black stone	Stone	7
I167	Golden/beige stone	Stone	7,24
I168	Clear stone	Stone	7
I169	Deep purple/white stone	Stone	7,11,24
I170	Light purple/gray stone	Stone	7,11
I171	Purple /gray stone	Stone	7
I172	Black/gray stone	Stone	7
I173	Light golden/beige stone	stone	7,24
I174	Dull transparent white/gray stone	stone	7,11
I175	Transparent gray/green stone	stone	7,11
I176	Dull gray/white stone	stone	7,11
I177	White/gray stone	Stone	11
I178	Purple/white/cyan stone	Stone	11
I179	Gray/white/blackish green stone	Stone	11
I180	Dull transparent/gray stone	Stone	11
I181	Transparent gold/white stone	Stone	11
I182	Purple/white/gray stone	Stone	11
I183	Transparent blue/purple/cyan stone	Stone	24
I184	White clay	Clay	15
I185	Black clay	Clay	15
I186	Red clay	Clay	15
I187	Yellow clay	Clay	15
I188	Orange clay	Clay	15
I189	Brown clay	Clay	15
I190	Blue clay	Clay	15
I191	Pink clay	Clay	15
I192	Clear liquid	Lavender fragrance	12
I193	Clear liquid	Green apple fragrance	4,9
I194	Clear liquid	Lemon fragrance	4,9,12
I195	Transparent beige liquid	Baby oil	9,12



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I196	White liquid	Liquid	17
I197	Purple liquid	Liquid	17
I198	Blue liquid	Liquid	17
I199	Red liquid	Liquid	17
I200	Yellow liquid	Liquid	17
I201	Green liquid	Liquid	17
I202	Transparent orange liquid	Yellow dye & coloring	4,9
I203	Transparent deep red liquid	Red dye & coloring	4,9
I204	Transparent blue liquid	Blue dye & coloring	4,9
I205	Transparent green liquid	Green dye	4
I206	Red paint	Paint	25
I207	Yellow paint	Paint	25
I208	Blue paint	Paint	25
I209	Green paint	Paint	25
I210	White paint	Paint	25
I211	Black paint	Paint	25
I212	Grass green paint	Paint	25
I213	Silver paint	Paint	25
I214	Golden paint	Paint	25
I215	Orange paint	Paint	25
I216	Purple paint	Paint	25
I217	Deep pink paint	Paint	25
I218	Beige powder	Powder	1,16
I219	Blue powder	Powder	3
I220	Blue solid powder	Seed crystal	3
I221	Yellow solid powder	Seed crystal	5,13,21,22
I222	Blue solid powder	Seed crystal	5,22
I223	brown solid powder	Seed crystal	5,22
I224	Yellow powder	Powder	5,13,21,22
I225	Blue powder	Powder	5
I226	Red powder	Powder	5
I227	White powder	Alum powder	5,21
I228	Peach powder	Powder	7,8,23
I229	Snow white powder	Baking soda	9 , 12
I230	Transparent white powder	Citric acid	9 , 12



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I231	Transparent powder	Epsom salt	9
I232	Gold printed peach powder	Powder	10
I233	Shiny blue powder	Blue food powder	12
I234	Shiny yellow powder	Yellow food powder	12
I235	Shiny green powder	Green dye powder	12
I236	Shiny pink powder	Red food powder	12
I237	Blue powder	Powder	13,21
I238	Blue solid powder	Seed crystal	13,21
I239	Pink powder	Powder	13
I240	Brown red solid powder	Seed crystal	13,22
I241	Brown powder	Pill	14
I242	Red/brown/yellow printed red powder	Powder	14
I243	Dull peach powder	Egg powder & powder	15,16
I244	Light peach powder	Powder	8,16,18
I245	Off white powder	Powder	16
I246	Matt white powder	Big powder	16
I247	Milk white powder	Carrageenan	17
I248	Cyan powder	Solid powder	21,22
I250	Deep blue powder	Solid powder	22
I251	Red powder	Solid powder	22
I252	Multicolor printed rust powder	Unicorn pattern	2
I253	Purple/blue/brown printed peach powder	Powder	20
I254	Gray/white plastic	Small dinosaur & hedgehog	13,21,22
I255	Blackish green coating	Parts	-
I256	Green coating	Parts	-
I257	Purple coating	Parts	-
I258	Dull purple coating	Parts	-
I259	Dull green coating	Parts	-
I260	Shiny purple coating	Parts	-
I261	Sky blue coating	Parts	-
I262	Golden coating	Parts	-
I263	Yellow coating	Parts	-
I264	Gray green coating	Parts	-



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I265	Orange coating	Parts	-
I266	Black coating	Parts	-
I267	Light yellow coating	Parts	-

1): GIOW IN THE DARK DINO 2): JUMBO MAGIC 3): CRYSTAL GROWING KIT
 4): DINO SOAP 5): CRYSTAL GROWING LAB 6): MATURAL GEMSTONE
 7): ROCKIN' 8): DINO SKELETON 9): BATH BOMBS 10): JUMBO PIRATE
 11): ROCKIN' COLLECTION 12): SOAP BATH BOMBS 13): CRYSTAL DINOSAUR 14): JUMBO VOLCANO
 15): JUMBO DINO EGG 16): ANCIENT WORLD
 17): MARBLING PAINT KIT 18): JUMBO FOSSOILS 19): BREAK OPEN GEODES 20): JUMBO GEMS 21):
 ULTMATE 22): CRYSTAL HEDGEHOG
 23): I DIG DINO FOSSILS 24): ROCKS 25): BIRD HOUSE

Remark:

- The items 008-019, 021-029, 087, 088, 089 were provided by client dated on Jul 3, 2022.
- The items 004-006, 059-061, 093-095, 101, 102, 114, 158-160, 184,186-190, 199, 206, 228, 250, 251 were resubmitted by client dated on Aug 15, 2022.

Note: "A" The received sample(s) contained accessible component(s) of less than 10 milligrams by weight on one single sample, therefore such component(s) was not subject to migration of certain elements of European Standard, "Safety of Toys", EN 71-3:2019+A1:2021, as specified in Clause 7.1 - Selection of test portions.



RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

<p>The Appropriate Age Grade is determined with reference to the EN71 : Part 1 : 2014+A1:2018, CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines prepared by Technical Committee CEN/TC 52 and Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).</p>	
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 & 6

Symbol	Explanation				
NM	The sample(s) DOES NOT MEET the requirement of this Subclause				
M	The sample(s) MEET the requirement of this Subclause				
N/A	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NP	None Present				
NT	Not Tested				
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		



RESULTS:

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

Subclause	Requirement	Result
4.1	Material cleanliness	M
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.8e	Splinters	M
4.9	Protruding parts	NA
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12 & 7.3	Balloons	NA
4.13 & 7.9	Cord of toy kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	M
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	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child - Transmission	NA
4.15.1.7	Toys propelled by child – insertion mark	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	NA
4.15.2.3	Toy bicycles – Braking	NA
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.18	Toy scooters	NA



RESULTS:

Subclause	Requirement	Result
4.16	Heavy immobile toys	NA
4.17.2	All projectiles	NA
4.17.3 & 7.7	Projectile toys with stored energy	NA
4.17.4 & 7.26	Certain projectile toys without stored energy	NA
4.18 & 7.4	Aquatic toys and inflatable toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA
4.20.2.1- 4.20.2.4, 4.20.2.6-4.20.2.12 & 7.14	Acoustics	NA
*4.20.2.5	Acoustics– Toys using headphones or earphones	NA
4.21	Toys containing a non-electrical heat source	NA
4.22 & 7.2	Small balls	NA
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	NA
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo ball	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27.1	Flying toys – General	NA
4.27.2 & 7.25.1	Rotors and propellers on flying toys	NA
4.27.3 & 7.25.2	Rotors and propellers on remote controlled flying toys	NA
FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS		
5.1	General	NA
5.1a	Small parts – as received	NA
5.1b	Small parts, sharp points, sharp edges – after tests	NA
5.1c	Cross section <2mm metal points & wires	NA
5.1e	Toys contain glue	NA
5.1f	Casing of toys	NA
5.2	Fillings, coverings and seams	NA
5.3	Adhesion of plastic sheeting	NA
5.4.2	Cords and chains in toys intended for children under 18 months	NA



RESULTS:

Subclause	Requirement	Result
5.4.3 & 7.22	Cords and chains in toys intended for children of 18 months or over but under 36 months	NA
5.4.4	Fixed loops, tangled loops and nooses	NA
5.4.5	Cords and chains on pull along toys	NA
5.4.6 & 7.21	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	NA
5.4.8	Self-retracting cords	NA
5.4.9 & 7.11 & 7.23	Toys attached to or intended to be strung across a cradle, cot or perambulator	NA
5.5 & 7.12	Liquid filled toys	NA
5.6	Electrically driven toys	M
5.7	Glass and porcelain	NA
5.8	Shape and size	NA
5.9 & 7.17	Monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15 & 7.24	Sledges with cords for pulling	NA
6	Packaging	M
WARNINGS, INSTRUCTIONS FOR USE		
7.1	General	NA
7.2	Toys not intended for children under 36 months	NA
7.5	Functional toys	NA

2009/48/EC General Labeling Requirement

Requirement	Result
CE Mark	M
Manufacturer/ Importer name and address	M
Product Identification	M

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section NT=Not Test



RESULTS:

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	4.15.1.5	8.26.1	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.4.5	8.40
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.8	8.29	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	5.4.6	8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.2.4	8.26.2	4.24	8.37	5.4.7	8.20
4.7	8.11	4.15.3	8.21, 8.23.1	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.7.8	8.39
4.8	8.12, 8.13	4.15.4	8.21, 8.23.1	4.26	8.38	5.5	8.15
4.9	8.4.2.3, 8.11, 8.12	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.27.1	8.43	5.6	8.29
4.10.1	8.18.2, 8.18.3	4.16	8.23.2	4.27.2	8.4.2.6	5.8	8.16
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.17.1	8.3, 8.4.2.1, 8.7, 8.8, 8.42	4.27.3	8.4.2.6	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.17.2	8.3, 8.4.2.4, 8.7, 8.8, 8.32.1, 8.43, 8.44	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12	5.11	8.33
4.13	8.19	4.17.3	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.3	8.4.2.1, 8.25	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.14.1	8.31.1, 8.31.2	4.17.4	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.4.1	8.40	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.18	8.2, 8.3, 8.4.2.1	5.4.2	8.38, 8.40, 8.41	5.14	8.38
4.15.1.3	8.11, 8.12, 8.21, 8.22	4.20	8.28	5.4.3	8.38, 8.40, 8.41	6	8.3, 8.4.2.1, 8.25.1, 8.32.1
4.15.1.4	8.23.1	4.21	8.30	5.4.4	8.36, 8.38		



RESULTS:

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	NA
*4.1	Flammable gases	NA
*4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NT
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.3	warning on product and packaging (10 - 30 mm/s)	NA
4.4	Toys intended to be entered by child	NA
4.4	warning on product and packaging (10 - 30 mm/s)	NA
4.5	Soft-filled toys	NA

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	-	-

* Note: Subclause indicated with * are not accredited.

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section
P = Present NP = Not Present



RESULTS:

Migration of Certain Elements- EN 71-3:2019+A1:2021

Test Method: European Standard EN 71-3:2019+A1:2021 Section 8.

Class: Category I - Dry, brittle, powder-like or pliable toy material

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I184	I185	I186	I187
Aluminium (Al)	2250	5	5	4	5
Arsenic (As)	3.8	ND	ND	ND	ND
Boron (B)	1200	1040	750	840	940
Barium (Ba)	1500	ND	ND	ND	ND
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	ND	ND	ND	ND
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	ND	3
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	3	ND	3	2
Nickel (Ni)	75	ND	ND	ND	ND
Lead (Pb)	2.0	0.15	0.09	0.19	0.16
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND	ND	ND
Strontium (Sr)	4500	2	ND	2	3
Zinc (Zn)	3750	12	3	15	10
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I188	I189	I190	I191
Aluminium (Al)	2250	4	5	4	5
Arsenic (As)	3.8	ND	ND	ND	ND
Boron (B)	1200	760	930	990	1020
Barium (Ba)	1500	ND	2	ND	2
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	ND	ND	ND	ND
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	17	ND
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	2	3	2	3
Nickel (Ni)	75	ND	ND	ND	ND
Lead (Pb)	2.0	0.15	0.12	0.10	0.20
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND	ND	ND
Strontium (Sr)	4500	ND	4	2	2
Zinc (Zn)	3750	12	11	11	5
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I218	I219	I220	I221
Aluminium (Al)	2250	250	3	ND	ND
Arsenic (As)	3.8	0.40	ND	ND	ND
Boron (B)	1200	10	ND	2	ND
Barium (Ba)	1500	ND	ND	ND	ND
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	1.83	ND	ND	ND
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	ND	ND
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	54	3	ND	ND
Nickel (Ni)	75	ND	ND	ND	ND
Lead (Pb)	2.0	1.14	0.12	ND	ND
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND	ND	ND
Strontium (Sr)	4500	78	210	ND	ND
Zinc (Zn)	3750	3	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I222	I223	I224	I225
Aluminium (Al)	2250	ND	ND	3	2
Arsenic (As)	3.8	ND	ND	ND	ND
Boron (B)	1200	ND	ND	ND	ND
Barium (Ba)	1500	ND	ND	ND	ND
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	ND	ND	ND	ND
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	ND	ND
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	ND	ND	2	2
Nickel (Ni)	75	ND	ND	ND	ND
Lead (Pb)	2.0	0.07	0.09	0.13	0.07
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND#	ND	ND
Strontium (Sr)	4500	ND	ND	200	220
Zinc (Zn)	3750	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I226	I227	I228	I229
Aluminium (Al)	2250	3	ND	20	3
Arsenic (As)	3.8	ND	ND	ND	ND
Boron (B)	1200	ND	ND	10	2
Barium (Ba)	1500	ND	ND	2	ND
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	ND	ND	1.12	0.38
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	ND	ND
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	3	ND	16	ND
Nickel (Ni)	75	ND	ND	ND	ND
Lead (Pb)	2.0	0.12	ND	0.60	0.21
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND	ND	ND
Strontium (Sr)	4500	220	ND	110	7
Zinc (Zn)	3750	ND	ND	2	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I230	I231	I232	I233
Aluminium (Al)	2250	ND	ND	210	4
Arsenic (As)	3.8	ND	ND	0.31	ND
Boron (B)	1200	ND	ND	11	ND
Barium (Ba)	1500	ND	ND	10	ND
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	ND	0.19	1.34	0.15
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	ND	4
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	ND	15	60	ND
Nickel (Ni)	75	ND	ND	ND	ND
Lead (Pb)	2.0	ND	0.06	1.32	ND
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND	ND	ND
Strontium (Sr)	4500	ND	ND	130	ND
Zinc (Zn)	3750	ND	ND	3	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I234	I235	I236	I237
Aluminium (Al)	2250	ND	2	3	4
Arsenic (As)	3.8	ND	ND	ND	ND
Boron (B)	1200	ND	3	ND	ND
Barium (Ba)	1500	ND	ND	ND	ND
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	ND	0.65	ND	ND
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	ND	ND
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	ND	ND	2	2
Nickel (Ni)	75	ND	ND	ND	ND
Lead (Pb)	2.0	0.09	0.09	0.07	0.14
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND	ND	ND
Strontium (Sr)	4500	6	9	6	220
Zinc (Zn)	3750	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I238	I239	I240	I241
Aluminium (Al)	2250	ND	3	ND	3
Arsenic (As)	3.8	ND	ND	ND	ND
Boron (B)	1200	ND	ND	ND	8
Barium (Ba)	1500	ND	ND	ND	ND
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	ND	ND	ND	ND
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	ND	ND
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	ND	2	ND	5
Nickel (Ni)	75	ND	ND	ND	ND
Lead (Pb)	2.0	ND	0.09	ND	0.06
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND	ND	ND
Strontium (Sr)	4500	ND	210	ND	6
Zinc (Zn)	3750	ND	ND	3	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I242	I243	I244	I245
Aluminium (Al)	2250	150	130	84	83
Arsenic (As)	3.8	0.26	0.27	0.19	0.19
Boron (B)	1200	11	11	4	4
Barium (Ba)	1500	9	9	9	9
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	0.83	0.9	0.35	0.25
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	ND	ND
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	54	53	28	31
Nickel (Ni)	75	4	ND	ND	ND
Lead (Pb)	2.0	1.02	1.39	1.02	1.02
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND	ND	ND
Strontium (Sr)	4500	120	140	400	400
Zinc (Zn)	3750	2	2	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I246	I247	I248	I252
Aluminium (Al)	2250	80	2	ND	31
Arsenic (As)	3.8	0.18	ND	ND	ND
Boron (B)	1200	3	ND	ND	6
Barium (Ba)	1500	8	ND	ND	2
Cadmium (Cd)	1.3	ND	ND	ND	ND
Cobalt (Co)	10.5	ND	ND	ND	ND
Chromium III (Cr III)	37.5	0.25	ND	ND	1.05
Chromium VI (Cr VI)	0.02	ND#	ND#	ND#	ND#
Copper (Cu)	622.5	ND	ND	ND	ND
Mercury (Hg)	7.5	ND	ND	ND	ND
Manganese (Mn)	1200	28	ND	2	17
Nickel (Ni)	75	ND	ND	ND	ND
Lead (Pb)	2.0	0.91	ND	0.50	0.66
Antimony (Sb)	45	ND	ND	ND	ND
Selenium (Se)	37.5	ND	ND	ND	ND
Tin (Sn)	15000	ND	ND	ND	ND
Organic tin	0.9	ND	ND	ND	ND
Strontium (Sr)	4500	390	ND	190	140
Zinc (Zn)	3750	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category I	I253	-	-	-
Aluminium (Al)	2250	160	-	-	-
Arsenic (As)	3.8	0.29	-	-	-
Boron (B)	1200	12	-	-	-
Barium (Ba)	1500	9	-	-	-
Cadmium (Cd)	1.3	ND	-	-	-
Cobalt (Co)	10.5	ND	-	-	-
Chromium III (Cr III)	37.5	0.91	-	-	-
Chromium VI (Cr VI)	0.02	ND#	-	-	-
Copper (Cu)	622.5	ND	-	-	-
Mercury (Hg)	7.5	ND	-	-	-
Manganese (Mn)	1200	50	-	-	-
Nickel (Ni)	75	ND	-	-	-
Lead (Pb)	2.0	1.14	-	-	-
Antimony (Sb)	45	ND	-	-	-
Selenium (Se)	37.5	ND	-	-	-
Tin (Sn)	15000	ND	-	-	-
Organic tin	0.9	ND	-	-	-
Strontium (Sr)	4500	110	-	-	-
Zinc (Zn)	3750	2	-	-	-
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	-	-	-

mg/kg = milligrams per kilogram (ppm=parts per million)

Organic tin = migration of total organic tin is expressed as tributyltin cation content in mg/kg

= Verified results (see note)

ND = Not detected

Detection Limit (mg/kg) :

Category I - Al : 2 ; Sb : 2 ; As : 0.15 ; Ba : 2 ; B : 2 ; Cd : 0.15 ; Cr III : 0.15 ; Cr VI : 0.0025 ; Co : 2 ; Cu : 2 ; Pb : 0.05 ; Mn : 2 ; Hg : 0.15 ; Ni : 2 ; Se : 2 ; Sr : 2 ; Sn : 2 ; Organic tin : 0.04 ; Zn : 2

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: EN 71-3:2019+A1:2021, Annex F by Ion-chromatography with ICP-MS detector analysis.
- Organic tin: EN 71-3:2019+A1:2021, Annex G by Gas Chromatography-Mass Spectroscopy analysis.



RESULTS:

Migration of Certain Elements, EN 71-3:2019+A1:2021

Test Method: European Standard EN71-3:2019+A1:2021 Section 8.

Class: Category II - Liquid or sticky toy material

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category II	I192	I193	I194	I195
Aluminium (Al)	560	2	ND	ND	ND
Arsenic (As)	0.9	ND	ND	ND	ND
Boron (B)	300	ND	ND	ND	ND
Barium (Ba)	375	ND	ND	ND	ND
Cadmium (Cd)	0.3	ND	ND	ND	ND
Cobalt (Co)	2.6	ND	ND	ND	ND
Chromium III (Cr III)	9.4	ND	ND	ND	ND
Chromium VI (Cr VI)	0.005	ND#	ND#	ND#	ND#
Copper (Cu)	156	ND	ND	ND	ND
Mercury (Hg)	1.9	ND	ND	ND	ND
Manganese (Mn)	300	ND	ND	ND	ND
Nickel (Ni)	18.8	ND	ND	ND	ND
Lead (Pb)	0.5	0.06	ND	0.05	ND
Antimony (Sb)	11.3	ND	ND	ND	ND
Selenium (Se)	9.4	ND	ND	ND	ND
Tin (Sn)	3750	ND	ND	ND	ND
Organic tin	0.2	ND	ND	ND	ND
Strontium (Sr)	1125	ND	ND	ND	ND
Zinc (Zn)	938	12	200	ND	9
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category II	I196	I197	I198	I199
Aluminium (Al)	560	7	13	6	4
Arsenic (As)	0.9	ND	ND	ND	ND
Boron (B)	300	ND	ND	ND	3
Barium (Ba)	375	13	ND	ND	3
Cadmium (Cd)	0.3	ND	ND	ND	ND
Cobalt (Co)	2.6	ND	ND	ND	ND
Chromium III (Cr III)	9.4	ND	ND	ND	ND
Chromium VI (Cr VI)	0.005	ND#	ND#	ND#	ND#
Copper (Cu)	156	ND	ND	ND	3
Mercury (Hg)	1.9	ND	ND	ND	ND
Manganese (Mn)	300	ND	ND	ND	4
Nickel (Ni)	18.8	ND	ND	ND	ND
Lead (Pb)	0.5	0.23	0.05	ND	0.23
Antimony (Sb)	11.3	ND	ND	ND	ND
Selenium (Se)	9.4	ND	ND	ND	ND
Tin (Sn)	3750	ND	ND	ND	ND
Organic tin	0.2	ND#	ND	ND	ND
Strontium (Sr)	1125	ND	4	2	3
Zinc (Zn)	938	3	6	4	6
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category II	I200	I201	I202	I203
Aluminium (Al)	560	18	9	ND	ND
Arsenic (As)	0.9	ND	ND	ND	ND
Boron (B)	300	ND	ND	ND	ND
Barium (Ba)	375	3	ND	ND	ND
Cadmium (Cd)	0.3	ND	ND	ND	ND
Cobalt (Co)	2.6	ND	ND	ND	ND
Chromium III (Cr III)	9.4	ND	ND	ND	ND
Chromium VI (Cr VI)	0.005	ND#	ND#	ND#	ND#
Copper (Cu)	156	ND	ND	ND	ND
Mercury (Hg)	1.9	ND	ND	ND	ND
Manganese (Mn)	300	ND	ND	ND	ND
Nickel (Ni)	18.8	ND	ND	ND	ND
Lead (Pb)	0.5	0.08	0.06	0.06	ND
Antimony (Sb)	11.3	ND	ND	ND	ND
Selenium (Se)	9.4	ND	ND	ND	ND
Tin (Sn)	3750	ND	ND	ND	ND
Organic tin	0.2	ND	ND	ND	ND
Strontium (Sr)	1125	4	4	ND	ND
Zinc (Zn)	938	88	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category II	I204	I205	I206	I207
Aluminium (Al)	560	ND	ND	3	100
Arsenic (As)	0.9	ND	ND	ND	ND
Boron (B)	300	ND	ND	ND	ND
Barium (Ba)	375	ND	ND	ND	30
Cadmium (Cd)	0.3	ND	ND	ND	ND
Cobalt (Co)	2.6	ND	ND	ND	ND
Chromium III (Cr III)	9.4	ND	ND	0.22	0.32
Chromium VI (Cr VI)	0.005	ND#	ND#	ND#	ND#
Copper (Cu)	156	ND	ND	3	ND
Mercury (Hg)	1.9	ND	ND	ND	ND
Manganese (Mn)	300	ND	ND	3	7
Nickel (Ni)	18.8	ND	ND	ND	ND
Lead (Pb)	0.5	ND	ND	0.10	0.10
Antimony (Sb)	11.3	ND	ND	ND	ND
Selenium (Se)	9.4	ND	ND	ND	ND
Tin (Sn)	3750	ND	ND	ND	ND
Organic tin	0.2	ND	ND	ND	ND
Strontium (Sr)	1125	ND	ND	2	53
Zinc (Zn)	938	3	3	3	8
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category II	I208	I209	I210	I211
Aluminium (Al)	560	160	100	51	150
Arsenic (As)	0.9	ND	ND	ND	0.16
Boron (B)	300	ND	ND	ND	ND
Barium (Ba)	375	ND	13	71	3
Cadmium (Cd)	0.3	0.16	ND	ND	ND
Cobalt (Co)	2.6	ND	ND	ND	ND
Chromium III (Cr III)	9.4	0.66	0.35	ND	0.65
Chromium VI (Cr VI)	0.005	ND#	ND#	ND#	ND#
Copper (Cu)	156	ND	4	ND	ND
Mercury (Hg)	1.9	ND	ND	ND	ND
Manganese (Mn)	300	11	9	2	10
Nickel (Ni)	18.8	ND	ND	ND	ND
Lead (Pb)	0.5	0.15	0.11	0.16	0.16
Antimony (Sb)	11.3	ND	ND	ND	ND
Selenium (Se)	9.4	ND	ND	ND	ND
Tin (Sn)	3750	ND	ND	ND	ND
Organic tin	0.2	ND	ND	ND	ND
Strontium (Sr)	1125	63	54	10	57
Zinc (Zn)	938	ND	4	20	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category II	I212	I213	I214	I215
Aluminium (Al)	560	41	44	31	29
Arsenic (As)	0.9	020	0.38	ND	ND
Boron (B)	300	ND	ND	ND	ND
Barium (Ba)	375	ND	ND	ND	ND
Cadmium (Cd)	0.3	ND	ND	ND	ND
Cobalt (Co)	2.6	ND	ND	ND	ND
Chromium III (Cr III)	9.4	ND	0.74	ND	ND
Chromium VI (Cr VI)	0.005	ND#	ND#	ND#	ND#
Copper (Cu)	156	ND	ND	ND	ND
Mercury (Hg)	1.9	ND	ND	ND	ND
Manganese (Mn)	300	ND	ND	ND	ND
Nickel (Ni)	18.8	ND	ND	ND	ND
Lead (Pb)	0.5	0.07	0.05	0.09	ND
Antimony (Sb)	11.3	ND	ND	ND	ND
Selenium (Se)	9.4	ND	ND	ND	ND
Tin (Sn)	3750	ND	ND	ND	ND
Organic tin	0.2	ND	ND	ND	ND
Strontium (Sr)	1125	4	4	3	3
Zinc (Zn)	938	ND	ND	15	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category II	I216	I217	-	-
Aluminium (Al)	560	43	43	-	-
Arsenic (As)	0.9	0.39	0.33	-	-
Boron (B)	300	ND	2	-	-
Barium (Ba)	375	4	ND	-	-
Cadmium (Cd)	0.3	ND	ND	-	-
Cobalt (Co)	2.6	ND	ND	-	-
Chromium III (Cr III)	9.4	ND	ND	-	-
Chromium VI (Cr VI)	0.005	ND#	ND#	-	-
Copper (Cu)	156	ND	ND	-	-
Mercury (Hg)	1.9	ND	ND	-	-
Manganese (Mn)	300	ND	ND	-	-
Nickel (Ni)	18.8	ND	ND	-	-
Lead (Pb)	0.5	0.08	0.07	-	-
Antimony (Sb)	11.3	ND	ND	-	-
Selenium (Se)	9.4	ND	ND	-	-
Tin (Sn)	3750	ND	ND	-	-
Organic tin	0.2	ND	ND	-	-
Strontium (Sr)	1125	3	4	-	-
Zinc (Zn)	938	ND	3	-	-
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	-	-

mg/kg = milligrams per kilogram (ppm=parts per million)

Organic tin = migration of total organic tin is expressed as tributyltin cation content in mg/kg

= Verified results (see note)

ND = Not detected

Detection Limit (mg/kg) :

Category II - Al : 2 ; Sb : 2 ; As : 0.15 ; Ba : 2 ; B : 2 ; Cd : 0.15 ; Cr III : 0.15 ; Cr VI : 0.0025 ; Co : 2 ; Cu : 2 ; Pb : 0.05 ; Mn : 2 ; Hg : 0.15 ; Ni : 2 ; Se : 2 ; Sr : 2 ; Sn : 2 ; Organic tin : 0.04 ; Zn : 2

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: EN 71-3:2019+A1:2021, Annex F by Ion-chromatography with ICP-MS detector analysis.
- Organic tin: EN 71-3:2019+A1:2021, Annex G by Gas Chromatography-Mass Spectroscopy analysis.



RESULTS:

Migration of Certain Elements, EN 71-3:2019+A1:2021

Test Method: European Standard EN 71-3:2019+A1:2021 Section 8.

Class: Category III - Scraped off toy material

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I002	I003	I004	I005
Aluminium (Al)	28130	83	5650	100	31
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	70	7	20	7
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	4ND	ND	ND
Chromium III (Cr III)	460	1.99	13.89	0.20	0.24
Chromium VI (Cr VI)	0.053	ND#	ND#	ND#	ND#
Copper (Cu)	7700	ND	5	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	5	6	3	5
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	10	4	ND	3
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	28	13	7	16
Zinc (Zn)	46000	13	39	340	14
Mass of trace amount (gram)		0.0825	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I006	I007	I008	I009
Aluminium (Al)	28130	91	32	5	3
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	3	ND	32
Barium (Ba)	18750	4	3	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	3	ND	ND
Chromium III (Cr III)	460	0.18	1.12	ND	ND
Chromium VI (Cr VI)	0.053	ND#	ND#	ND	ND
Copper (Cu)	7700	2	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	4	5	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	2	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	6	ND	ND
Organic tin	12	ND	ND#	ND	ND
Strontium (Sr)	56000	10	53	3	2
Zinc (Zn)	46000	37	8	8	5
Mass of trace amount (gram)		-	-	0.0152	0.0137
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I010	I011	I012	I013
Aluminium (Al)	28130	6	5	18	15
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND#	ND#	ND#	ND#
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	15	ND	3	3
Zinc (Zn)	46000	18	5	17	16
Mass of trace amount (gram)		0.0212	0.0152	0.0152	0.200
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I014	I015	I020	I022
Aluminium (Al)	28130	6	17	14080	8
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	79	ND
Barium (Ba)	18750	ND	ND	7	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	3	ND
Chromium III (Cr III)	460	0.15	ND	15.77	ND
Chromium VI (Cr VI)	0.053	ND#	ND#	ND#	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	59	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	3	6	220	ND
Zinc (Zn)	46000	9	17	8	5
Mass of trace amount (gram)		0.0185	0.0343		0.117
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I023	I024	I025	I026
Aluminium (Al)	28130	3	14	5	120
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND#	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	2
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	2	ND	3
Zinc (Zn)	46000	6	16	5	ND
Mass of trace amount (gram)		0.184	0.0244	0.191	0.158
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I027	I030	I031	I032
Aluminium (Al)	28130	150	3	9	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND#	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	4	5	ND	ND
Zinc (Zn)	46000	ND	3	ND	ND
Mass of trace amount (gram)		0.0145	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I033	I034	I035	I036
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND#	ND#	ND#	ND#
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	0.0996	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I037	I038	I040	I042
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	2	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I044	I045	I047	I048
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND#	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I049	I050	I051	I052
Aluminium (Al)	28130	ND	ND	39	240
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	0.35	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND#	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I053	I054	I055	I056
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I057	I058	I059	I060
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	2
Mass of trace amount (gram)		-	-	-	0.0321
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I061	I062	I063	I064
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	0.24	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND#	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-		-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I068	I069	I070	I071
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I072	I073	I074	I075
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	3
Zinc (Zn)	46000	ND	2	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I076	I077	I078	I079
Aluminium (Al)	28130	ND	3	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	4
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	3	17	ND	ND
Zinc (Zn)	46000	ND	2	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I080	I081	I082	I083
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I084	I085	I086	I087
Aluminium (Al)	28130	ND	26	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	1.38	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND#	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	4	ND	ND
Mass of trace amount (gram)		-	0.0836	0.0553	0.0243
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I088	I089	I090	I091
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	5.19	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND#	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	2	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	8
Mass of trace amount (gram)		0.0711	0.0220	-	0.0722
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I092	I093	I094	I095
Aluminium (Al)	28130	4	ND	ND	7
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND#
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	3	ND	2520
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I096	I097	I098	I099
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND#	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	3	2
Zinc (Zn)	46000	ND	2	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I100	I101	I102	I108
Aluminium (Al)	28130	2	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND#	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	4	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	3	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I109	I110	I111	I112
Aluminium (Al)	28130	7	6	ND	15
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	4
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND#	ND	ND#
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	2	ND	9
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	15	16	5	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	4	4	ND	7
Zinc (Zn)	46000	420	110	3	3
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I113	I114	I115	I116
Aluminium (Al)	28130	5	2	11	18
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	4	ND
Barium (Ba)	18750	ND	ND	5	5
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND#	ND#	ND#	ND#
Copper (Cu)	7700	ND	ND	ND	4
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	5	ND	7	4
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	3	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	2	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	15	ND	21	13
Zinc (Zn)	46000	13	130	46	14
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I117	I118	I119	I120
Aluminium (Al)	28130	9	680	7	3
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	5	ND	ND
Barium (Ba)	18750	4	3	2	13
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	0.51	0.16	ND
Chromium VI (Cr VI)	0.053	ND#	ND#	ND#	ND#
Copper (Cu)	7700	2	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	4	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	17	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	2	4	3	ND
Zinc (Zn)	46000	18	14	41	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I121	I122	I123	I124
Aluminium (Al)	28130	5	4	73	6
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	3	5
Barium (Ba)	18750	4	ND	8	5
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	0.18
Chromium VI (Cr VI)	0.053	ND#	ND#	ND#	ND#
Copper (Cu)	7700	ND	ND	2	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	26	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	4
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	10	ND
Zinc (Zn)	46000	2	2	5	5
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I125	I126	I127	I128
Aluminium (Al)	28130	160	5	120	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	32	4	ND	ND
Barium (Ba)	18750	2	15	4	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	0.23	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND#	ND#	ND#	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	11	6	17	5
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	31	100	34	12
Zinc (Zn)	46000	130	ND	2	5
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I129	I130	I131	I132
Aluminium (Al)	28130	3	ND	ND	14
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	3	2
Barium (Ba)	18750	5	6	5	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND#
Copper (Cu)	7700	ND	ND	ND	4
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	120	17	8	5
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	49	5	5	5
Zinc (Zn)	46000	2	12	12	63
Mass of trace amount (gram)		-	-	-	0.0946
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I133	I134	I135	I136
Aluminium (Al)	28130	ND	ND	18	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	23	ND
Barium (Ba)	18750	ND	ND	5	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND#	ND	ND#	ND
Copper (Cu)	7700	ND	ND	5	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	3	ND	49	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	96	ND
Zinc (Zn)	46000	ND	ND	25	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I137	I138	I139	I140
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I141	I142	I143	I144
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	28	5
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	76	ND	13	24
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I145	I146	I147	I148
Aluminium (Al)	28130	ND	ND	7	30
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	14
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	5	ND	5	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I149	I150	I151	I152
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I153	I154	I155	I156
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND#	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



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RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I157	I158	I159	I160
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I161	I162	I163	I164
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I165	I166	I167	I168
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I169	I170	I171	I172
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I173	I174	I175	I176
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I177	I178	I179	I180
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I181	I182	I183	-
Aluminium (Al)	28130	ND	ND	ND	-
Arsenic (As)	47	ND	ND	ND	-
Boron (B)	15000	ND	ND	ND	-
Barium (Ba)	18750	ND	ND	ND	-
Cadmium (Cd)	17	ND	ND	ND	-
Cobalt (Co)	130	ND	ND	ND	-
Chromium III (Cr III)	460	ND	ND	ND	-
Chromium VI (Cr VI)	0.053	ND	ND	ND	-
Copper (Cu)	7700	ND	ND	ND	-
Mercury (Hg)	94	ND	ND	ND	-
Manganese (Mn)	15000	ND	ND	ND	-
Nickel (Ni)	930	ND	ND	ND	-
Lead (Pb)	23	ND	ND	ND	-
Antimony (Sb)	560	ND	ND	ND	-
Selenium (Se)	460	ND	ND	ND	-
Tin (Sn)	180000	ND	ND	ND	-
Organic tin	12	ND	ND	ND	-
Strontium (Sr)	56000	ND	ND	ND	-
Zinc (Zn)	46000	ND	ND	ND	-
Mass of trace amount (gram)	-	-	-	-	-
Conclusion		PASS	PASS	PASS	-



RESULTS:

mg/kg = milligrams per kilogram (ppm=parts per million)

Organic tin = migration of total organic tin is expressed as tributyltin cation content in mg/kg

= Verified results (see note)

ND = Not detected

Detection Limit (mg/kg) :

Category III - Al : 2 ; Sb : 2 ; As : 2 ; Ba : 2 ; B : 2 ; Cd : 2 ; Cr III : 0.15 ; Cr VI : 0.025 ; Co : 2 ; Cu : 2 ; Pb : 2 ; Mn : 2 ; Hg : 2 ; Ni : 2 ; Se : 2 ; Sr : 2 ; Sn : 2 ; Organic tin : 2 ; Zn : 2

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: EN 71-3:2019+A1:2021, Annex F by Ion-chromatography with ICP-MS detector analysis.
- Organic tin: EN 71-3:2019+A1:2021, Annex G by Gas Chromatography-Mass Spectroscopy analysis.



RESULTS:

Total Cadmium Content – European Parliament and Council Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII, Item no. 23

Test Method : BS EN 1122: 2001, Method B or Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry.

Maximum Allowable Limit :	Type I	Paints on Painted Article: 1000 mg/kg
	Type II	Plastics: 100 mg/kg
	Type III	Metals in Jewellery: 100 mg/kg
	Type IV	Wet Paints: 100 mg/kg

Test Item(s)	Type	Result	Unit	Conclusion
		Total Cadmium (Cd)		
I001	I	ND	mg/kg	PASS
I002	I	ND	mg/kg	PASS
I003+I004+I005	I	ND	mg/kg	PASS
I006	I	ND	mg/kg	PASS
I007+I008	I	ND	mg/kg	PASS
I009+I010+I011	I	ND	mg/kg	PASS
I012+I013+I014	I	ND	mg/kg	PASS
I015+I016+I017	I	ND	mg/kg	PASS
I018+I019+I020	I	ND	mg/kg	PASS
I021+I255+I256	I	ND	mg/kg	PASS
I029+I054+I055	II	ND	mg/kg	PASS
I030+I031+I032	II	ND	mg/kg	PASS
I033+I034+I035	II	ND	mg/kg	PASS
I036+I037+I038	II	ND	mg/kg	PASS
I040	II	ND	mg/kg	PASS
I042+I044	II	ND	mg/kg	PASS
I045+I047	II	ND	mg/kg	PASS
I048+I049+I050	II	ND	mg/kg	PASS
I051+I052+I053	II	ND	mg/kg	PASS
I056+I057+I058	II	ND	mg/kg	PASS
I059+I060+I061	II	ND	mg/kg	PASS
I062+I063+I064	II	ND	mg/kg	PASS
I068+I069+I070	II	ND	mg/kg	PASS
I071+I072+I073	II	ND	mg/kg	PASS
I074+I075+I076	II	ND	mg/kg	PASS



RESULTS:

Test Item(s)	Type	Result	Unit	Conclusion
		Total Cadmium (Cd)		
I077+I078+I079	II	ND	mg/kg	PASS
I080+I081+I082	II	ND	mg/kg	PASS
I083+I084+I085	II	ND	mg/kg	PASS
I086+I087+I088	II	ND	mg/kg	PASS
I089+I090	II	ND	mg/kg	PASS
I091+I092	II	ND	mg/kg	PASS
I093+I094+I095	II	ND	mg/kg	PASS
I096+I097	II	ND	mg/kg	PASS
I098+I099+I100	II	ND	mg/kg	PASS
I101+I102	II	ND	mg/kg	PASS
I113+I122	II	ND	mg/kg	PASS
I254	II	ND	mg/kg	PASS
I257+I258	I	ND	mg/kg	PASS
I259+I260	I	ND	mg/kg	PASS
I261+I262+I263	I	ND	mg/kg	PASS
I264	I	ND	mg/kg	PASS
I265+I266+I267	I	ND	mg/kg	PASS

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit: 10 mg/kg



RESULTS:

BBP/DBP/DEHP/DIBP Contents in Toys and Childcare Articles – European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 51

Test Method : With referenced to CPSC-CH-C1001-09.3/ CPSC-CH-C1001-09.4 , sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer

Test Parameter:	BBP	DBP	DEHP	DIBP	SUM	-
Limit (%):	0.1 (Sum of Four phthalates)					-
Test Item(s)	Result (%)					Conclusion
I001+I002	ND	ND	ND	ND	ND	PASS
I003+I004+I005	ND	ND	0.017	ND	0.017	PASS
I006	ND	ND	ND	ND	ND	PASS
I007+I008	ND	ND	ND	ND	ND	PASS
I009+I010+I011	ND	ND	ND	ND	ND	PASS
I012+I013+I014	ND	ND	ND	ND	ND	PASS
I015+I016+I017	ND	ND	ND	ND	ND	PASS
I018+I019+I020	ND	ND	ND	ND	ND	PASS
I021+I255+I256	ND	ND	ND	ND	ND	PASS
I029+I054+I055	ND	ND	ND	ND	ND	PASS
I030+I031+I032	ND	ND	ND	ND	ND	PASS
I033+I034+I035	ND	ND	ND	ND	ND	PASS
I036+I037+I038	ND	ND	ND	ND	ND	PASS
I040	ND	ND	ND	ND	ND	PASS
I042+I044	ND	ND	ND	ND	ND	PASS
I045+I047	ND	ND	ND	ND	ND	PASS
I048+I049+I050	ND	ND	ND	ND	ND	PASS
I051+I052+I053	ND	ND	ND	ND	ND	PASS
I056+I057+I058	ND	ND	ND	ND	ND	PASS
I059+I060+I061	ND	ND	ND	ND	ND	PASS
I062+I063+I064	ND	ND	ND	ND	ND	PASS
I068+I069+I070	ND	ND	ND	ND	ND	PASS
I071+I072+I073	ND	ND	ND	ND	ND	PASS
I074+I075+I076	ND	ND	ND	ND	ND	PASS
I077+I078+I079	ND	ND	ND	ND	ND	PASS
I080+I081+I082	ND	ND	ND	ND	ND	PASS
I083+I084+I085	ND	ND	ND	ND	ND	PASS
I086+I087+I088	ND	ND	ND	ND	ND	PASS



RESULTS:

Test Parameter:	BBP	DBP	DEHP	DIBP	SUM	-
Limit (%):	0.1 (Sum of Four phthalates)					-
Test Item(s)	Result (%)					Conclusion
I089+I090	ND	ND	ND	ND	ND	PASS
I091+I092	ND	ND	ND	ND	ND	PASS
I093+I094+I095	ND	ND	ND	ND	ND	PASS
I096+I097	ND	ND	ND	ND	ND	PASS
I098+I099+I100	ND	ND	ND	ND	ND	PASS
I101+I102	ND	ND	ND	ND	ND	PASS
I113+I122	ND	ND	ND	ND	ND	PASS
I192+I193+I194	ND	ND	ND	ND	ND	PASS
I195+I196+I197	ND	ND	ND	ND	ND	PASS
I198+I200	ND	ND	ND	ND	ND	PASS
I199	ND	ND	ND	ND	ND	PASS
I201+I202+I203	ND	ND	ND	ND	ND	PASS
I204+I205	ND	ND	ND	ND	ND	PASS
I206	ND	ND	ND	ND	ND	PASS
I207+I208+I209	ND	ND	ND	ND	ND	PASS
I210+I211+I213	ND	ND	ND	ND	ND	PASS
I213+I214+I215	ND	ND	ND	ND	ND	PASS
I216+I217	ND	ND	ND	ND	ND	PASS
I254	ND	ND	ND	ND	ND	PASS
I257+I258+I259	ND	ND	ND	ND	ND	PASS
I260+I261+I262	ND	ND	ND	ND	ND	PASS
I266+I267	ND	ND	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate
 DEHP = Di(2-ethylhexyl) phthalate
 ND = Not detected
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005

DBP = Dibutyl phthalate
 DIBP= Diisobutyl phthalate
 % = percent

10000 mg/kg = 1 %



RESULTS:

DNOP/DINP/DIDP Contents in Toys and Childcare Articles which can be placed in the Mouth by the Children – European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 52

Test Method : With referenced to CPSC-CH-C1001-09.3/ CPSC-CH-C1001-09.4 , sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer

Test Parameter:	DIDP	DINP	DNOP	SUM	-
Limit (%):	0.1 (Sum of three phthalates)				-
Test Item(s)	Result (%)				Conclusion
I001+I002	ND	ND	ND	ND	PASS
I003+I004+I005	ND	0.011	ND	0.011	PASS
I006	ND	ND	ND	ND	PASS
I007+I008	ND	ND	ND	ND	PASS
I009+I010+I011	ND	ND	ND	ND	PASS
I012+I013+I014	ND	ND	ND	ND	PASS
I015+I016+I017	ND	ND	ND	ND	PASS
I018+I019+I020	ND	ND	ND	ND	PASS
I021+I025+I0256	ND	ND	ND	ND	PASS
I029+I054+I055	ND	ND	ND	ND	PASS
I030+I031+I032	ND	ND	ND	ND	PASS
I033+I034+I035	ND	ND	ND	ND	PASS
I036+I037+I038	ND	ND	ND	ND	PASS
I040	ND	ND	ND	ND	PASS
I042+I044	ND	ND	ND	ND	PASS
I045+I047	ND	ND	ND	ND	PASS
I048+I049+I050	ND	ND	ND	ND	PASS
I051+I052+I053	ND	ND	ND	ND	PASS
I056+I057+I058	ND	ND	ND	ND	PASS
I059+I060+I061	ND	ND	ND	ND	PASS
I062+I063+I064	ND	ND	ND	ND	PASS
I068+I069+I070	ND	ND	ND	ND	PASS
I071+I072+I073	ND	ND	ND	ND	PASS
I074+I075+I076	ND	ND	ND	ND	PASS
I077+I078+I079	ND	ND	ND	ND	PASS
I080+I081+I082	ND	ND	ND	ND	PASS
I083+I084+I085	ND	ND	ND	ND	PASS
I086+I087+I088	ND	ND	ND	ND	PASS



RESULTS:

Test Parameter:	DIDP	DINP	DNOP	SUM	-
Limit (%):	0.1 (Sum of three phthalates)				-
Test Item(s)	Result (%)				Conclusion
I089+I090	ND	ND	ND	ND	PASS
I091+I092	ND	ND	ND	ND	PASS
I093+I094+I095	ND	ND	ND	ND	PASS
I096+I097	ND	ND	ND	ND	PASS
I098+I099+I100	ND	ND	ND	ND	PASS
I101+I102	ND	ND	ND	ND	PASS
I113+I122	ND	ND	ND	ND	PASS
I192+I193+I194	ND	ND	ND	ND	PASS
I195+I196+I197	ND	ND	ND	ND	PASS
I198+I200	ND	ND	ND	ND	PASS
I199	ND	ND	ND	ND	PASS
I201+I202+I203	ND	ND	ND	ND	PASS
I204+I205	ND	ND	ND	ND	PASS
I206	ND	ND	ND	ND	PASS
I207+I208+I209	ND	ND	ND	ND	PASS
I210+I211+I213	ND	ND	ND	ND	PASS
I213+I214+I215	ND	ND	ND	ND	PASS
I216+I217	ND	ND	ND	ND	PASS
I254	ND	ND	ND	ND	PASS
I257+I258+I259	ND	ND	ND	ND	PASS
I260+I261+I262	ND	ND	ND	ND	PASS
I266+I267	ND	ND	ND	ND	PASS

Note / key:

DNOP = Di-n-octyl phthalate DINP = Di-iso-nonyl phthalate DIDP = Di-iso-decyl phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005

RESULTS:



RESULTS:



RESULTS:



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RESULTS:



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