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HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD HAPE INTERNATIONAL (NINGBO) LTD 9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN, NINGBO, CHINA PC:315800

The following samples were submitted and identified by/on behalf of the client as:

E0417 FANTASIA BLOCKS TRAIN E0426 COLOR AND SHAPE SORTER

E0430 ROLLER DERBY

E0434 TAKE-ALONG ACTIVITY BOX

E0406 DOUBLE RAINBOW STACKER

E0504 COUNTING STACKER

Item No. : E0417, E0426, E0430, E0434, E0406, E0504

Country of Origin : CHINA
Country of Destination : GLOBAL

Client Reference Information : E0417A,E0417B,E0426A,E0430A,E0434A,E0406A,

E0504B

ASIN NO : B006WZM2Q2,B008E18S60,B00I6N13AE,B00NFTIPWI,B

001ODCOTW,B008E18SGK

Labeled Age Grading : 10M+/12M+/18M+

Requested Age Grading : OVER 10 MONTHS FOR Item No.E0434;

OVER 18 MONTHS FOR Item No.E0426 & E0417:

OVER 12 MONTHS FOR OTHERS

Age Group Assessed by SGS As Per Age : OVER 10 MONTHS FOR Item No.E0434;

Guideline OVER 18 MONTHS FOR Item No.E0426 & E0417;

OVER 12 MONTHS FOR OTHERS

Age Group Applied in Testing : OVER 10 MONTHS FOR Item No.E0434;

OVER 18 MONTHS FOR Item No.E0426 & E0417;

OVER 12 MONTHS FOR OTHERS

Sample Receiving Date : APR 11, 2022

Testing Period : APR 11, 2022 TO JUN 07, 2022



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Test	Requested	Conclusion					
1.	For compliance with the European standard on Safety of toys:-						
	EN 71-1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS					
	EN 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability						
	EN 71-2: 2020 – Safety of toys – Part 2: Flammability	PASS					
	Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys	SEE RESULT					
	Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019 – Migration of certain elements (All conclusive testing)	PASS					
	Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019 + A1:2021 – Migration of certain elements (All conclusive testing)	PASS					

******* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *******

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center

Qu Ping, Kiky Dept. Manager

CNAS Approved Signatories

Huang Yao, Lucy Section Head

CNAS Approved Signatories





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Result:

EUROPEAN STANDARD ON SAFETY OF TOYS

EN 71-1:2014 + A1:2018 - SAFETY OF TOYS - PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1:2014 + A1:2018 - SAFETY OF TOYS - PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

<u>Clause</u>	Description	<u>on</u>	Result
4	General r	requirements	
4.1	Material of	cleanliness	<u>Pass</u>
4.2	Assembly	у	<u>N/A</u>
4.3	Flexible p	plastics sheeting	<u>N/A</u>
4.4	Toy bags	•	<u>N/A</u>
4.5	Glass		<u>N/A</u>
4.6	Expandin	ng materials	<u>N/A</u>
4.7	Edges		<u>Pass</u>
4.8	Points an	nd metallic wires	<u>Pass</u>
4.9	Protrudin	g parts	<u>Pass</u>
4.10	Parts mo	ving against each other:	
	4.10.1	Folding and sliding mechanisms	<u>N/A</u>
	4.10.2	Driving mechanisms	<u>N/A</u>
	4.10.3	Hinges	<u>N/A</u>
	4.10.4	Springs	<u>N/A</u>
4.11	Mouth-ac	ctuated toys and other toys intended to be put in the mouth	<u>N/A</u>
4.12	Balloons		<u>N/A</u>
4.13	Cords of	toy kites and other flying toys	<u>N/A</u>
4.14	Enclosure	es:	
	4.14.1	Toys which a child can enter	<u>N/A</u>
	4.14.2	Masks and helmets	<u>N/A</u>
4.15	Toys inte	nded to bear the mass of a child:	
	4.15.1	Toys propelled by the child or by other means	<u>N/A</u>
	4.15.2	Toy bicycles	<u>N/A</u>
	4.15.3	Rocking horses and similar toys	<u>N/A</u>
	4.15.4	Toys not propelled by a child	<u>N/A</u>
	4.15.5	Toys scooters	<u>N/A</u>



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<u>Clause</u>	<u>Description</u>	<u>on</u>	Result					
4.16	Heavy im	mobile toys	N/A					
4.17	Projectiles		N/A					
4.18	Aquatic to	bys and inflatable toys	N/A					
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps							
4.20	Acoustics		<u>Pass</u>					
4.21	Toys cont	taining a non-electrical heat source	N/A					
4.22	Small ball	ls	N/A					
4.23	Magnets		N/A					
4.24	Yoyo balls	S	N/A					
4.25	Toys atta	ched to food	N/A					
4.26	Toy disgu	iise costumes	N/A					
4.27	Flying toy	vs	N/A					
5	Toys inter	nded for children under 36 months						
5.1		equirements:						
	5.1a	Small part requirement on toys & removable						
		Components (Test method 8.2)	<u>Pass</u>					
	5.1b	Torque test (Test method 8.3)	<u>Pass</u>					
		Tension test (Test method 8.4)	<u>Pass</u>					
		Drop test (Test method 8.5)	<u>Pass</u>					
		Tip over test (Test method 8.6)	N/A					
		Impact test (Test method 8.7)	<u>Pass</u>					
		Compression test (Test method 8.8)	<u>Pass</u>					
		Sharp edge (Test method 8.11)	<u>Pass</u>					
		Sharp point (Test method 8.12)	<u>Pass</u>					
		Tension test for magnets (Test method 8.34)	N/A					
	5.1c	Potential hazardous metal points and wires with a cross section of 2mm or less	<u>N/A</u>					
	5.1d	Large and bulky toys	N/A					
	5.1e	Glued wooden toys and toys with glued on plastic decals	<u>Pass</u>					
	5.1f	The casing of toys intended for children too young to sit up unaided	<u>N/A</u>					
	5.1g	Foam toys and toys containing accessible foam components	N/A					
5.2	Soft-filled	toys and soft-filled parts of a toy	N/A					
5.3	Plastic sheeting							
5.4	Cords, chains and electrical cable in toys							
5.5	Liquid fille	ed toys	N/A					
5.6	Speed limitation of electrically driven toys							



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Clause 5.7 5.8 5.9 5.10 5.11 5.12 5.13 5.14 5.15 6 7 7.1	Description Glass and porcelain Shape and size of certain toys Toys comprising monofilament fibres Small balls Play figures Hemispheric shaped toys Suction cups Straps intended to be used fully or partially around the neck Sledges with cords for pulling Packaging Warnings, markings and instructions for use General Requirements Please note that for assessing the visibility and legibility of warnings CEN has introduced good practice in the informative Annex 33 by addressing the following aspects: a) Emphasising the warning; b) Contrast, background and colours; c) Reflecting surfaces and obscuring material; d) Font type; e) Font size; f) Logical direction of text. For more details see EN 71-1	Result N/A N/A N/A Pass N/A N/A N/A N/A N/A N/A N/A N/A
7.2	Toys not intended for children under 36 months	N/A
7.3 7.4	Latex Balloon Aquatic toys	<u>N/A</u> N/A
7. 4 7.5	Functional Toys	N/A
7.6	Hazardous sharp functional edges and points	N/A
7.7	Projectiles	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Roller skates, inline skates and toy skateboards and certain other ride-on toys	N/A
7.11	Toys intended to be strung across a cradle, cot, or perambulator	N/A
7.12	Liquid filled teethers	N/A
7.13	Percussion caps specifically designed for use in toys	N/A
7.14	Acoustics	N/A
7.15	Toys bicycle	N/A
7.16	Toys intended to bear the mass of a child	N/A



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<u>Clause</u>	Description	Result
7.17	Toys comprising monofilament fibres	N/A
7.18	Toy scooters	N/A
7.19	Rocking horses and similar toys	N/A
7.20	Magnetic/electrical experimental sets	N/A
7.21	Toys with electrical cables exceeding 300 mm in length	N/A
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	<u>N/A</u>
7.23	Toys intended to be attached to a cradle, cot or perambulator	N/A
7.24	Sledges with cords for pulling	N/A
7.25	Flying toys	N/A
7.26	Improvised projectiles	N/A

According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.

N/A = Not Applicable

EN 71-2:2011+A1:2014 - SAFETY OF TOYS - PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2:2011+A1:2014 - SAFETY OF TOYS - PART 2: FLAMMABILITY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	Result
4.1	General requirements	<u>Pass</u>

Type of gas: Butane gas used in the test burner



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EN 71-2: 2020 - SAFETY OF TOYS - PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2: 2020 - SAFETY OF TOYS - PART 2: FLAMMABILITY

Clauses relevant to the item:

Clause Description
4.1 General requirements

Type of gas: Butane gas used in the test burner

LABELING REQUIREMENT (WASHING/CLEANING INSTRUCTION, CE MARK, IMPORTER / MANUFACTURER NAME AND ADDRESS, PRODUCT IDENTIFICATION) ACCORDING TO INFORMATIVE ANNEX A.26 AND A.33 OF THE EUROPEAN STANDARD ON SAFETY OF TOYS EN 71-1:2014+A1:2018 AND THE DIRECTIVE 2009/48/EC – SAFETY OF TOYS

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not applicable	
CE mark	Present	Toy & Packaging
Importer's Name & Address	Present	Toy & Packaging
Manufacturer's Name & Address	Present	Toy & Packaging
Product ID	Present	Toy & Packaging

Note:

- 1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable."
- 2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
- 3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
- 4. Manufacturers must 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.



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Result

Pass



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<u>Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019 – Migration of certain elements</u>

Category III: Scraped-off toy material

Method: With reference to EN 71-3:2019. Analysis of general elements was performed by ICP-OES / Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV-Vis or LC-ICP-MS / organic tin was analyzed by GC-MS.

Test Item(s)	Result(s)			MDL	Permissible Limit		
Specimen No.			1	2	3		
Mass of trace amount		(mg)	52.6	/	51.7		
Soluble Aluminium	(AI)	(mg/kg)	123	ND	558	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	1762	ND	116	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit		
Specimen No.			4	5	6		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	104	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	1	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	1	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	190	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit		
Specimen No.			7	8	9		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	113	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit		
Specimen No.			10	11	12		
Mass of trace amount		(mg)	/	/	17.2		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	439	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit		
Specimen No.			13	14	15		
Mass of trace amount		(mg)	38.2	21.9	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	121	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	2	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	2	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	147	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			16	17	18		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	153	296	229	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	53	56	57	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			19	20	21		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	317	65	303	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	60	ND	776	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			22	23	24		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	57	295	284	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	105	137	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			25	26	27		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	274	142	82	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	105	69	205	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			28	29	30		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	79	474	158	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	158	147	80	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			31	32	33		
Mass of trace amount		(mg)	/	/	18.6		
Soluble Aluminium	(AI)	(mg/kg)	114	127	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	145	ND	181	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			34	35	36		
Mass of trace amount		(mg)	/	/	21.7		
Soluble Aluminium	(AI)	(mg/kg)	78	122	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	172	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			37	38	39		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	401	114	106	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	2	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	2	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	102	104	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			40	41	42		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	139	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	186	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	3	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	3	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	69	ND	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			43	44	45		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	435	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	1	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	1	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			46	47	48		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	136	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	2	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	2	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	57	ND	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			49	50	51		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	2017	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	21	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	21	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	0.017	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	374	ND	50	46000



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Test Item(s)		Result(s)		MDL	Permissible Limit		
Specimen No.			52	53	54		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	318	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	77	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			55	56	57		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	309	55	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	2.9	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	62	62	ND	50	46000



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Test Item(s)		Result(s)		MDL	Permissible Limit		
Specimen No.			58	59	60		
Mass of trace amount		(mg)	/	/	39.0		
Soluble Aluminium	(AI)	(mg/kg)	71	78	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	1	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	1	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Report No.: T52210260678TY Date: JUN 07, 2022 Page 28 of 64

Test Item(s)		Result(s)		MDL	Permissible Limit		
Specimen No.			61	62	63		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	291	233	264	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	123	152	52	50	46000



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Test Item(s)			Resi	ult(s)	MDL	Permissible Limit
Specimen No.			64	65		
Mass of trace amount		(mg)	/	/		
Soluble Aluminium	(AI)	(mg/kg)	163	403	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	54	244	50	46000



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Test Report No.: T52210260678TY Date: JUN 07, 2022 Page 30 of 64

Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.	66	67	68				
Mass of trace amount		(mg)	87.8	33.6	52.3		
Soluble Aluminium	(AI)	(mg/kg)	1890	694	95.8	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	6	ND	1	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	6	ND	1	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	5.1	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	316	54	157	50	46000

Specimen Description:

- 1. Orange coating on wood (Block)
- 2. Beige wood (Block, train car, body)
- 3. Pale blue coating on wood (Ball)
- 4. Black plastic (ABS) (Fastener)
- 5. Transparent lacquer coating on plywood & wood (Base, body)
- 6. Brown hardboard
- 7. Brown wood (Train car, fastener, block)
- 8. Cream-white plastic (PA) (Sliding block)
- 9. Red coating on wood (Block)



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Room 101-191, Plant 4 & Koon 101, Plant 2 & Koon 101, Plant 3 & Koon 101, Plant 3 & Koon 301-501, Plant 3, Koon 3



Test Report No.: T52210260678TY Date: JUN 07, 2022 Page 31 of 64

Specimen Description:

- 10. Cream plywood (Body)
- 11. White woven cord (Elastic cord)
- 12. Transparent dry glue (Joint)
- 13. Light green coating on wood (Block, wheel)
- 14. Blue coating on wood (Block, pattern)
- 15. Light yellow-green coating on wood (Block)
- 16. White coating on wood (Pattern, block, eye)
- 17. Yellow-green coating on wood (Block)
- 18. Transaprent lacquer w/ dark green coating on wood (Block)
- 19. Bright dark blue coating on wood (Block, pattern)
- 20. Transparent lacquer w/ dark blue coating on wood (Wheel)
- 21. Dark yellow coating on wood (Block, pattern)
- 22. Transparent lacquer w/ fuchsia coating on wood (Block, pattern)
- 23. Pink-purple coating on wood (Block)
- 24. Purple coating on wood (Block)
- 25. Orange-yellow coating on wood (Block, pattern)
- 26. Transparent lacquer w/ dark orange coating on wood (Wheel)
- 27. Transparent lacquer w/ bright dark blue coating on wood (Block)
- 28. Transparent lacquer w/ blue coating on wood (Block)
- 29. Transparent lacquer w/ light blue coating on wood (Block)
- 30. Bright yellow-green coating on wood (Block)
- 31. Bright yellow coating on wood (Blcok)
- 32. Transparent lacquer w/ dull dark blue coating (Ball)
- 33. Dark green coating on wood (Ball)
- 34. Transparent lacquer w/ green coating on wood (Ball)
- 35. Transparent lacquer w/ light red coating on wood (Ball)
- 36. Dull yellow coating on wood (Ball)



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Test Report No.: T52210260678TY Date: JUN 07, 2022 Page 32 of 64

Specimen Description:

- 37. Dull blue coating on wood (Body)
- 38. Transparent lacquer w/ bright red coating on wood (Body, block)
- 39. Transparent lacquer w/ bright green coating on wood (Body)
- 40. Bright green coating on metal (Body)
- 41. Blue coating on wood (Body)
- 42. Green plastic (POM) (Fastener)
- 43. Blue plastic (POM) (Fastener)
- 44. Red plastic (POM) (Fastener)
- 45. Blue coating on metal (Body)
- 46. Red coating on metal (Body)
- 47. Beige plastic (PA) (Stud)
- 48. Cream plastic (PA) (Bell)
- 49. Transaprent plastic (PMMA) (Mirror)
- 50. Multi-color coating on wood (Owl pattern)
- 51. Light blue plastic (PA) (Fastener)
- 52. Orange plastic (PA) (Fastener)
- 53. Dark beige plastic (PE) (Fastener)
- 54. Dull blue w/ light blue coating on wood (Body)
- 55. Dull light green coating on wood (Body)
- 56. Dull light blue coating on wood (Body)
- 57. Dull orange coating on wood (Body)
- 58. Transparent lacquer w/ dull green coating on wood (Motion)
- 59. Transparent lacquer w/ blue coating on wood (Motion)
- 60. Dull pink coating on wood (Body)
- 61. Bright dark orange coating on hardboard (Block)
- 62. Dark orange-yellow coating on hardboard (Block)
- 63. Dull dark blue coating on hardboard (Block)



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Test Report No.: T52210260678TY Date: JUN 07, 2022 Page 33 of 64

Specimen Description:

- 64. Bright green coating on hardboard (Block)
- 65. Dull dark yellow coating on wood (Block)
- 66. Multi-color coating on wood (Octopus pattern)
- 67. Multi-color coating on wood (Lion pattern, zebra pattern, elephant pattern)
- 68. Multi-color coating on wood (Rooster pattern, mianyang pattern, pig pattern, giraffe pattern)

Note: - mg/kg = milligram per kilogram

- mg = milligram
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- 1% = 10000 mg/kg = 10000 ppm
- + Soluble Chromium is not restricted by EN 71-3:2019, results shown only for reference
- Result(s) of specimen No.1 is(are) extracted from report No.T52110300912TY.
- Result(s) of specimen No.2 is(are) extracted from report No.T52110311129TY.
- Result(s) of specimen No.3 is(are) extracted from report No.T52110320529TY.
- Result(s) of specimen No.4-No.5 is(are) extracted from report No.T52110321296TY.
- Result(s) of specimen No.6 is(are) extracted from report No.T52110280191TY.
- Result(s) of specimen No.7-No.10 is(are) extracted from report No.T52210251513TY.
- Result(s) of specimen No.11-No.14 is(are) extracted from report No.T52210250060TY.
- Result(s) of specimen No.50, No.66-No.68 is(are) extracted from report No.T52210271096TC.



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Remark: As received, below test portion(s) is(are) less than 10 mg, therefore such component(s) was(were) not tested for migration of certain elements, as specified in EN 71-3:2019.

Yellow coating on wood (Pattern)

Brown coating on wood (Pattern)

Light orange coating on wood (Block)

Light yellow coating on wood (Pattern)

Dull yellow-green coating on wood (Pattern)

Light pink-purple coating on wood (Pattern)

Dull purple coating on wood (Pattern)

Black coating on plywood (Lettering)

Light brown coating on wood (Pattern)

Light pink-purple coating on wood (Pattern)

Light blue coating on wood (Pattern)

Blackish green coating on wood (Motion)

Black coating on wood (Motion, eye)

Light blue coating (Motion)

Bright light green coating on wood (Body)

Dull red coating on wood (Block)

Dull dark green coating on wood (Block)



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<u>Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019+A1:2021 – Migration of certain elements</u>

Category III: Scraped-off toy material

Method: With reference to EN 71-3:2019+A1:2021. Analysis of general elements was performed by ICP-OES / Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV-Vis or LC-ICP-MS / organic tin was analyzed by GC-MS.

Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			1	2	3		-
Mass of trace amount		(mg)	52.6	/	51.7		
Soluble Aluminium	(AI)	(mg/kg)	123	ND	558	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	1762	ND	116	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			4	5	6		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	104	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	1	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	1	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	190	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			7	8	9		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	113	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			10	11	12		
Mass of trace amount		(mg)	/	/	17.2		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	439	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			13	14	15		
Mass of trace amount		(mg)	38.2	21.9	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	121	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	2	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	2	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	147	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			16	17	18		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	153	296	229	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	53	56	57	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			19	20	21		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	317	65	303	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	60	ND	776	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			22	23	24		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	57	295	284	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	105	137	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			25	26	27		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	274	142	82	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	105	69	205	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			28	29	30		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	79	474	158	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	158	147	80	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			31	32	33		
Mass of trace amount		(mg)	/	/	18.6		
Soluble Aluminium	(AI)	(mg/kg)	114	127	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	145	ND	181	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			34	35	36		
Mass of trace amount		(mg)	/	/	21.7		
Soluble Aluminium	(AI)	(mg/kg)	78	122	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	172	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			37	38	39		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	401	114	106	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	2	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	2	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	102	104	ND	50	46000



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Test Item(s)				Result(s)		MDL	Permissible Limit
Specimen No.			40	41	42		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	139	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	186	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	3	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	3	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	69	ND	ND	50	46000



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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			43	44	45		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	435	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	1	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	1	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			46	47	48		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	136	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	2	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	2	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	57	ND	ND	50	46000



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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			49	50	51		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	2017	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	21	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	21	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	0.017	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	374	ND	50	46000



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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			52	53	54		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	318	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	77	50	46000



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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			55	56	57		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	309	55	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	2.9	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	62	62	ND	50	46000



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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			58	59	60		
Mass of trace amount		(mg)	/	/	39.0		
Soluble Aluminium	(AI)	(mg/kg)	71	78	ND	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	1	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	1	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	ND	50	46000



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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			61	62	63		
Mass of trace amount		(mg)	/	/	/		
Soluble Aluminium	(AI)	(mg/kg)	291	233	264	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	123	152	52	50	46000



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Test Item(s)			Resi	ult(s)	MDL	Permissible Limit
Specimen No.			64	65		
Mass of trace amount		(mg)	/	/		
Soluble Aluminium	(AI)	(mg/kg)	163	403	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	ND	ND	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	54	244	50	46000



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Test Item(s)				Result(s)	MDL	Permissible Limit	
Specimen No.			66	67	68		
Mass of trace amount		(mg)	87.8	33.6	52.3		
Soluble Aluminium	(AI)	(mg/kg)	1890	694	95.8	50	28130
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	ND	5	17
Soluble Chromium+	(Cr)	(mg/kg)	6	ND	1	1	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	6	ND	1	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	5.1	2.3	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin		(mg/kg)	ND	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	316	54	157	50	46000

Specimen Description:

- 1. Orange coating on wood (Block)
- 2. Beige wood (Block, train car, body)
- 3. Pale blue coating on wood (Ball)
- 4. Black plastic (ABS) (Fastener)
- 5. Transparent lacquer coating on plywood & wood (Base, body)
- 6. Brown hardboard
- 7. Brown wood (Train car, fastener, block)
- 8. Cream-white plastic (PA) (Sliding block)
- 9. Red coating on wood (Block)



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Specimen Description:

- 10. Cream plywood (Body)
- 11. White woven cord (Elastic cord)
- 12. Transparent dry glue (Joint)
- 13. Light green coating on wood (Block, wheel)
- 14. Blue coating on wood (Block, pattern)
- 15. Light yellow-green coating on wood (Block)
- 16. White coating on wood (Pattern, block, eye)
- 17. Yellow-green coating on wood (Block)
- 18. Transaprent lacquer w/ dark green coating on wood (Block)
- 19. Bright dark blue coating on wood (Block, pattern)
- 20. Transparent lacquer w/ dark blue coating on wood (Wheel)
- 21. Dark yellow coating on wood (Block, pattern)
- 22. Transparent lacquer w/ fuchsia coating on wood (Block, pattern)
- 23. Pink-purple coating on wood (Block)
- 24. Purple coating on wood (Block)
- 25. Orange-yellow coating on wood (Block, pattern)
- 26. Transparent lacquer w/ dark orange coating on wood (Wheel)
- 27. Transparent lacquer w/ bright dark blue coating on wood (Block)
- 28. Transparent lacquer w/ blue coating on wood (Block)
- 29. Transparent lacquer w/ light blue coating on wood (Block)
- 30. Bright yellow-green coating on wood (Block)
- 31. Bright yellow coating on wood (Blcok)
- 32. Transparent lacquer w/ dull dark blue coating (Ball)
- 33. Dark green coating on wood (Ball)
- 34. Transparent lacquer w/ green coating on wood (Ball)
- 35. Transparent lacquer w/ light red coating on wood (Ball)
- 36. Dull yellow coating on wood (Ball)
- 37. Dull blue coating on wood (Body)



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Specimen Description:

- 38. Transparent lacquer w/ bright red coating on wood (Body, block)
- 39. Transparent lacquer w/ bright green coating on wood (Body)
- 40. Bright green coating on metal (Body)
- 41. Blue coating on wood (Body)
- 42. Green plastic (POM) (Fastener)
- 43. Blue plastic (POM) (Fastener)
- 44. Red plastic (POM) (Fastener)
- 45. Blue coating on metal (Body)
- 46. Red coating on metal (Body)
- 47. Beige plastic (PA) (Stud)
- 48. Cream plastic (PA) (Bell)
- 49. Transaprent plastic (PMMA) (Mirror)
- 50. Multi-color coating on wood (Owl pattern)
- 51. Light blue plastic (PA) (Fastener)
- 52. Orange plastic (PA) (Fastener)
- 53. Dark beige plastic (PE) (Fastener)
- 54. Dull blue w/ light blue coating on wood (Body)
- 55. Dull light green coating on wood (Body)
- 56. Dull light blue coating on wood (Body)
- 57. Dull orange coating on wood (Body)
- 58. Transparent lacquer w/ dull green coating on wood (Motion)
- 59. Transparent lacquer w/ blue coating on wood (Motion)
- 60. Dull pink coating on wood (Body)
- 61. Bright dark orange coating on hardboard (Block)
- 62. Dark orange-yellow coating on hardboard (Block)
- 63. Dull dark blue coating on hardboard (Block)
- 64. Bright green coating on hardboard (Block)



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Specimen Description:

- 65. Dull dark yellow coating on wood (Block)
- 66. Multi-color coating on wood (Octopus pattern)
- 67. Multi-color coating on wood (Lion pattern, zebra pattern, elephant pattern)
- 68. Multi-color coating on wood (Rooster pattern, mianyang pattern, pig pattern, giraffe pattern)

Note: - mg/kg = milligram per kilogram

- mg = milligram
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- -1% = 10000 mg/kg = 10000 ppm
- + Soluble Chromium is not restricted by EN 71-3:2019+A1:2021, results shown only for reference
- Result(s) of specimen No.1 is(are) extracted from report No.T52110300912TY.
- Result(s) of specimen No.2 is(are) extracted from report No.T52110311129TY.
- Result(s) of specimen No.3 is(are) extracted from report No.T52110320529TY.
- Result(s) of specimen No.4-No.5 is(are) extracted from report No.T52110321296TY.
- Result(s) of specimen No.6 is(are) extracted from report No.T52110280191TY.
- Result(s) of specimen No.7-No.10 is(are) extracted from report No.T52210251513TY.
- Result(s) of specimen No.11-No.14 is(are) extracted from report No.T52210250060TY.
- Result(s) of specimen No.50, No.66-No.68 is(are) extracted from report No.T52210271096TC.



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Remark: As received, below test portion(s) is(are) less than 10 mg, therefore such component(s) was(were) not tested for migration of certain elements, as specified in EN 71-3:2019+A1:2021.

Yellow coating on wood (Pattern)
Brown coating on wood (Pattern)
Light orange coating on wood (Pattern)
Dull yellow-green coating on wood (Pattern)
Dull pink-purple coating on wood (Pattern)
Dull purple coating on wood (Pattern)
Black coating on plywood (Lettering)
Light brown coating on wood (Pattern)
Light pink-purple coating on wood (Pattern)
Light brown coating on wood (Pattern)
Light pink-purple coating on wood (Pattern)
Light blue coating on wood (Pattern)
Blackish green coating on wood (Motion)
Black coating on wood (Motion, eye)
Light blue coating (Motion)
Bright light green coating on wood (Body)

Dull red coating on wood (Block)

Dull dark green coating on wood (Block)

N.B.: - Only applicable clauses were shown.



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- 1. Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
- 2. The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability(k=2), w = U₉₅. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (Tu):

Pass - when the measurement result is below Tu-U95

Fail - when the measurement result is above T_U+U₉₅

Inconclusive - when the measurement result is falling in guard band [Tu-U95, Tu+U95]

For Lower Tolerance Limit (T_L):

Pass - when the measurement result is above T_L+U₉₅

Fail - when the measurement result is below T_L-U₉₅

Inconclusive - when the measurement result is falling in guard band [T_L-U₉₅, T_L+U₉₅]

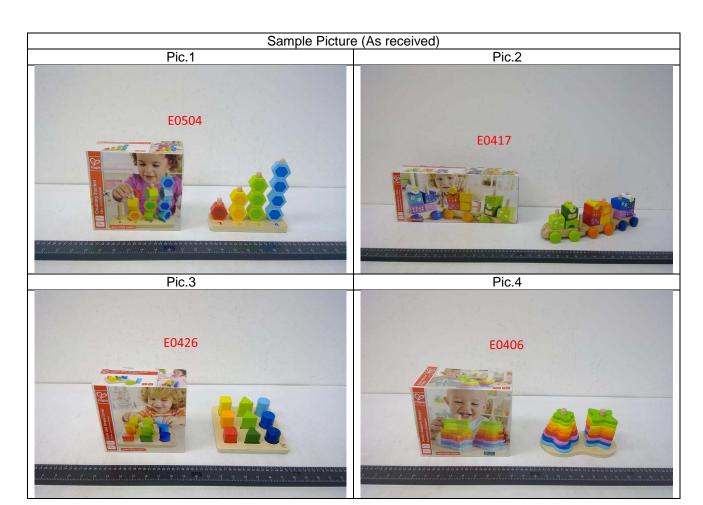


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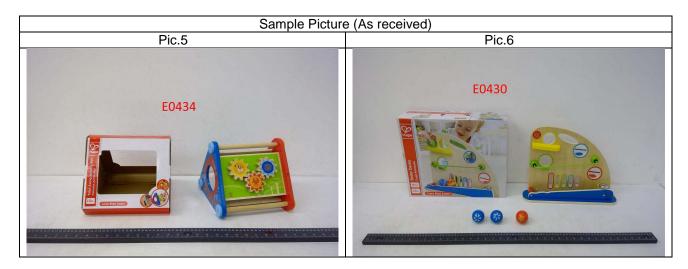
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*** End of Report ***



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