



THE PUPPET COMPANY LTD

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Page 1 of 61

THE PUPPET COMPANY LTD
UNIT 2-4 CAM CENTRE, WILBURY WAY, HITHCIN
UK, SG4 0TS

Sample Description:	WWF SOFT TOYS	Sample Size:	/
Vendor:	/	Style No(s):	/
Manufacturer:	/	SKN/SKU No.:	/
Buyer:	/	PO No.:	KERRI210222
Labeled Age Grade:	SUITABLE FOR 12 MONTHS AND ABOVE	Ref #:	/
Appropriate Age Grade:	/	Country of Origin:	INDONESIA
Client Specified Age	12 MONTHS	Assortment No.:	/
Grade:	/		
Tested Age Grade:	OVER 1 YEAR OF AGE		
UPC Code:	/		

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018, clauses 1-7.
- Labeling requirements of "CE marking, manufacturer/ Importer name and address, and product identification" under "Directive2009/48/EC Safety of Toy".
- The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2020 after washing.
- The migration of certain elements requirements of the European Standard, "Safety of Toys", EN 71 Part 3: 2019+A1:2020.
- Alkylphenols (AP) Content Test - German Product Safety Commission GS Specification EN ISO 18254
- Alkylphenol Ethoxylates (APEO) Content Test - German Product Safety Commission GS Specification EN ISO 18254
- Polycyclic Aromatic Hydrocarbons (PAHs) Content - German Product Safety Commission GS Specification AfPS GS 2019:01 PAK
- Phthalates Content in Toys and Childcare Articles - European Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with Amendments up to EU No. 412/2012, Annex XVII

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DETAIL ATTACHED:

Item No	Product Name
WB006501	WWF Baby Polar Bear
WB006502	WWF Baby Panda
WB006503	WWF Baby Penguin
WB006504	WWF Baby Amur Leopard
WB006505	WWF Baby Snow Leopard
WB006506	WWF Baby Gorilla
WB006507	WWF Baby Orangutan
WB006508	WWF Baby Elephant
WB006509	WWF Baby Dolphin
WB006510	WWF Baby Rhino
WB006511	WWF Baby Turtle
WB006512	WWF Baby Lion
WB006513	WWF Baby Tiger
WB006514	WWF Baby Jaguar



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C/N: MC04241/An/As/R/Si/J/To/Jo

Test Item(s)	Item / Component Description(s)	Location(s)	Remark
I001	WHITE LUXE 3000 (10/13) AT BODY/HEAD (#WB006502)	-	-
I002	BLACK LUXE 3000 (10/13) AT LEGS (#WB006502)	-	-
I003	BLACK LUXE 3000 (7/9) AT INNER EAR (#WB006502)	-	-
I004	BLACK LUXE 3000 AT EYELIDS/FOOTPAD (#WB006502)	-	-
I005	WHITE LUXE 3000 AT MUZZLE (#WB006502)	-	-
I006	MULTICOLOR WWF STARCH LABEL (#WB006502)	-	-
I007	BROWN PLASTIC (12 mm) AT EYES (#WB006502)	-	-
I008	BLACK PLASTIC (16 mm) AT NOSE (#WB006502)	-	-
I009	WHITE POLYESTER FIBER AT INNER BODY (#WB006502)	-	-
I010	WHITE LUXE 3000 (10/13) AT BODY/HEAD/LEGS (#WB006501)	-	-
I011	WHITE LUXE 3000 AT INNER EARS (#WB006501)	-	-
I012	WHITE LUXE 3000 AT MUZZLE (#WB006501)	-	-
I013	MULTICOLOR WWF STARCH LABEL (#WB006501)	-	-
I014	BROWN PLASTIC (12 mm) AT EYES (#WB006501)	-	-
I015	BLACK PLASTIC (16 mm) AT NOSE (#WB006501)	-	-
I016	WHITE POLYESTER FIBER AT INNER BODY (#WB006501)	-	-
I017	GREY LUXE 3000 AT MAIN BODY (#WB006503)	-	-
I018	BLACK LUXE 3000 AT HEAD (#WB006503)	-	-
I019	WHITE LUXE 3000 AT SIDE FACE (#WB006503)	-	-
I020	GREY NYLEX AT INNER WINGS (#WB006503)	-	-
I021	BLACK NYLEX AT FEET/BEAK (#WB006503)	-	-
I022	MULTICOLOR WWF STARCH LABEL (#WB006503)	-	-
I023	BLACK PLASTIC (10 mm) AT EYES (#WB006503)	-	-
I024	WHITE POLYESTER FIBER AT INNER BODY (#WB006503)	-	-
I025	JAGUARD LUXE 3000 AT MAIN BODY (#WB006504)	-	-
I026	WHITE LUXE 3000 AT LOWER BODY/CHIN (#WB006504)	-	-
I027	BLACK LUXE 3000 AT OUTER EARS (#WB006504)	-	-
I028	ORANGE LUXE 3000 AT UPPER MUZZLE (#WB006504)	-	-
I029	WHITE LUXE 3000 AT MUZZLW (#WB006504)	-	-
I030	WHITE FELT AT BACK EYES/NOSE (#WB006504)	-	-
I031	MULTICOLOR WWF STARCH LABEL (#WB006504)	-	-
I032	GOLD PLASTIC (12 mm) AT EYES (#WB006504)	-	-
I033	PEACH PLASTIC (15 mm) AT NOSE (#WB006504)	-	-
I034	WHITE POLYESTER FIBER AT INNER BODY (#WB006504)	-	-
I035	SNOW LEOPARD AT MAIN BODY (#WB006505)	-	-



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VERITAS**

I036	CREAM LUXE 3000 AT LOWER BODY (#WB006505)	-	-
I037	BLACK LUXE 3000 AT OUTER EARS (#WB006505)	-	-
I038	CREAM LUXE 3000 AT MUZZLE (#WB006505)	-	-
I039	D/GREY LUXE 3000 AT BRIDGE (#WB006505)	-	-
I040	CREAM LUXE 3000 (15/18) AT CHIN (#WB006505)	-	-
I041	WHITE FELT AT BACK EYES/NOSE (#WB006505)	-	-
I042	MULTICOLOR WWF STARCH LABEL (#WB006505)	-	-
I043	BLUE GREY PLASTIC (12 mm) AT EYES (#WB006505)	-	-
I044	GREY PLASTIC (15 mm) AT NOSE (#WB006505)	-	-
I045	WHITE POLYESTER FIBER AT INNER BODY (#WB006505)	-	-
I046	BLACK LUXE 3000 AT MAIN BODY (#WB006506)	-	-
I047	GREY EF BOA (3 mm) AT FACE/HAND (#WB006506)	-	-
I048	BLACK NYLEX AT NOSTRIL (#WB006506)	-	-
I049	BLACK FELT AT LIP (#WB006506)	-	-
I050	MULTICOLOR WWF STARCH LABEL (#WB006506)	-	-
I051	BROWN PLASTIC (12 mm) AT EYES (#WB006506)	-	-
I052	WHITE POLYESTER FIBER AT INNER BODY (#WB006506)	-	-
I053	R/BROWN LUXE 3000 AT BODY/HEAD/LEGS (#WB006507)	-	-
I054	BEIGE EF BOA (3 mm) AT MUZZLE/NOSE (#WB006507)	-	-
I055	R/BROWN EF BOA (3 mm) AT FACE/HAND (#WB006507)	-	-
I056	D/BROWN NYLEX AT NOSTRIL (#WB006507)	-	-
I057	D/BROWN FELT AT LIP (#WB006507)	-	-
I058	MULTICOLOR WWF STARCH LABEL (#WB006507)	-	-
I059	GOLD PLASTIC (12 mm) AT EYES (#WB006507)	-	-
I060	WHITE POLYESTER FIBER AT INNER BODY (#WB006507)	-	-
I061	GREY LUXE 3000 AT MAIN BODY (#WB006508)	-	-
I062	GREY EF BODY (3 mm) AT INNER EARS (#WB006508)	-	-
I063	MULTICOLOR WWF STARCH LABEL (#WB006508)	-	-
I064	BROWN PLASTIC (12 mm) AT EYES (#WB006508)	-	-
I065	WHITE POLYESTER FIBER AT INNER BODY (#WB006508)	-	-
I066	GREY LUXE 3000 AT MAIN BODY (#WB006509)	-	-
I067	GREY EF BOA (3 mm) AT LOWER BODY (#WB006509)	-	-
I068	MULTICOLOR WWF STARCH LABEL (#WB006509)	-	-
I069	BROWN PLASTIC (12 mm) AT EYES (#WB006509)	-	-
I070	WHITE POLYESTER FIBER AT INNER BODY (#WB006509)	-	-
I071	GREY LUXE 3000 AT MAIN BODY (#WB006510)	-	-
I072	GREY NYLEX AT INNER EARS/HORN (#WB006510)	-	-
I073	MULTICOLOR WWF STARCH LABEL (#WB006510)	-	-
I074	BROWN PLASTIC (12 mm) AT EYES (#WB006510)	-	-
I075	WHITE POLYESTER FIBER AT INNER BODY (#WB006510)	-	-
I076	D/GREY LUXE 3000 AT HEAD/FIN/SHIELD (#WB006511)	-	-
I077	WHITE LUXE 3000 AT LOWER BODY/LOWER FIN (#WB006511)	-	-
I078	R/WHITE EF BOA AT LOWER SHIELD (#WB006511)	-	-
I079	MULTICOLOR WWF STARCH LABEL (#WB006511)	-	-
I080	BROWN PLASTIC (12 mm) AT EYES (#WB006511)	-	-
I081	WHITE POLYESTER FIBER AT INNER BODY (#WB006511)	-	-
I082	HONEY LUXE 3000 (10/13) AT BODY/HEAD/LEGS (#WB006512)	-	-
I083	CREAM LUXE 3000 (10/13) AT LOWER BODY (#WB006512)	-	-
I084	HONEY LUXE 3000 (7/9) AT INNER EARS (#WB006512)	-	-
I085	HONEY LUXE 3000 (7/9) AT UPPER MUZZLE (#WB006512)	-	-
I086	CREAM LUXE 3000 AT MUZZLE (#WB006512)	-	-
I087	WHITE FELT AT BACK EYES/NOSE (#WB006512)	-	-
I088	MULTICOLOR WWF STARCH LABEL (#WB006512)	-	-
I089	GOLD PLASTIC (12 mm) AT EYES (#WB006512)	-	-
I090	BLACK PLASTIC (15 mm) AT NOSE (#WB006512)	-	-
I091	WHITE POLYESTER FIBER AT INNER BODY (#WB006512)	-	-
I092	JAGUAR LUXE 3000 AT BODY/HEAD/LEGS/TAIL (#WB006514)	-	-
I093	BLACK LUXE 3000 AT OUTER EARS (#WB006514)	-	-
I094	WHITE LUXE 3000 AT LOWER BODY (#WB006514)	-	-



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I095	ORANGE LUXE 3000 AT UPPER MUZZLE (#WB006514)	-	-
I096	ORANGE LUXE 3000 AT INNER EARS (#WB006514)	-	-
I097	WHITE LUXE 3000 AT MUZZLE (#WB006514)	-	-
I098	WHITE FELT AT BACK EYES/NOSE (#WB006514)	-	-
I099	MULTICOLOR WWF STARCH LABEL (#WB006514)	-	-
I100	GREEN PLASTIC (12 mm) AT EYES (#WB006514)	-	-
I101	PEACH PLASTIC (15 mm) AT NOSE (#WB006514)	-	-
I102	WHITE POLYESTER FIBER AT INNER BODY (#WB006514)	-	-
I103	BROWN LUXE 3000 AT BODY/HEAD/LEGS (#WB006513)	-	-
I104	WHITE LUXE 3000 AT LOWER BODY/CHEST (#WB006513)	-	-
I105	BROWN LUXE 3000 AT UPPER MUZZLE (#WB006513)	-	-
I106	BLACK LUXE 3000 AT EARS (#WB006513)	-	-
I107	WHITE AH TB AT SIDE FACE (#WB006513)	-	-
I108	WHITE SOFT VONNEL AT INNER EARS (#WB006513)	-	-
I109	WHITE SOFT VONNEL AT MUZZLE (#WB006513)	-	-
I110	WHITE FELT AT BACK EYES/NOSE (#WB006513)	-	-
I111	MULTICOLOR WWF STARCH LABEL (#WB006513)	-	-
I112	BLUE GREY PLASTIC (12 mm) AT EYES (#WB006513)	-	-
I113	PEACH PLASTIC (15 mm) AT NOSE (#WB006513)	-	-
I114	WHITE POLYESTER FIBER AT INNER BODY (#WB006513)	-	-



RESULT(S):

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

Subclause	Requirement	Result
4.1	Material cleanliness	M (ALL STYLE)
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 (ALL STYLE)
4.8 & 7.6	Points and metallic wires	M (ALL STYLE)
4.8e	Splinters	M (ALL STYLE)
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	NA
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
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

RESULT(S):

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

Subclause	Requirement	Result
*4.20.2.1- 4.20.2.8, 4.20.2.10, 4.20.2.12	Acoustics	NA
4.20.2.9, 4.20.2.11 & 7.14	Acoustics – percussion toys & cap-firing toys	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	M (ALL STYLE)
5.1a	Small parts – as received	M (ALL STYLE)
5.1b	Small parts, sharp points, sharp edges – after tests	M (ALL STYLE)
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	M (ALL STYLE)
5.3	Adhesion of plastic sheeting	NA
5.4.2	Cords and chains in toys intended for children under 18 months	NA
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	NA
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

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

Subclause	Requirement	Result
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	NA
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 (ALL STYLE)
Manufacturer/ Importer name and address	M (ALL STYLE)
Product Identification	M (ALL STYLE)

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		

RESULT(S):

FLAMMABILITY (EN 71 PART 2: 2020)

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Surface flash on a piled surface	M (ALL STYLE)
*4.1	Flammable gases	N/A
*4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	N/A
4.2	Toys to be worn on the head	N/A
4.3	Toy disguise costumes and toys intended to be worn by child in play	N/A
4.3	warning on product and packaging (10 - 30 mm/s)	N/A
4.4	Toys intended to be entered by a child	N/A
4.4	warning on product and packaging (10 – 30 mm/s)	N/A
4.5	Soft-filled toys	M (ALL STYLE) Did not ignited

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	-	-

*M = Meet NM = Not Meet NA = Not Applicable R = Refer to
 Comment Section NR= Not Request NT = Not Tested
 NP = Not Presented*

Remark:

- The burn rate limitation is 30 mm/sec.
- Between 20mm and 50mm above the lower edge of the rear of the toy

TEST RESULT

Migration of Certain Elements - European Parliament and Council Directive 2009/48/EC, Annex II, Part III, Point 13 with its Latest Amendmen

Test Method : European Standard EN 71 Part 3: 2019, Section 8.

See Soluble Element (Parameter) and its corresponding Maximum Allowable Limit (Req.) in Result Table	Type I	Dry, brittle, powder-like or pliable toy material
	Type II	Liquid or sticky toy material
	Type III	Scraped-off toy material

-	Unit	Req.	Result			
Test Item(s)	-	-	I001	I002	I003	I004
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	9.54	9.54	9.54
Conclusion	-	-	PASS	PASS	PASS	PASS



-	Unit	Req.	Result			
Test Item(s)	-	-	I005	I006	I007	I008
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	63.40	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	9.17	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	46.89	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I009	I010	I011	I012
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	7.20	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



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-	Unit	Req.	Result			
Test Item(s)	-	-	I013	I014	I015	I016
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	63.40	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	9.17	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	46.89	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	7.20
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I017	I018	I019	I020
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	9.54	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



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-	Unit	Req.	Result			
Test Item(s)	-	-	I021	I022	I023	I024
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	63.40	ND	ND
Antimony (Sb)	mg/kg	560	2.49	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	9.17	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	46.89	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	7.20
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I025	I026	I027	I028
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	9.54	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



-	Unit	Req.	Result			
Test Item(s)	-	-	I029	I030	I031	I032
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	63.40	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	3.73
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	9.17	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	46.89	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I033	I034	I035	I036
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	7.20	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



-	Unit	Req.	Result			
Test Item(s)	-	-	I037	I038	I039	I040
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	9.54	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I041	I042	I043	I044
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	N/A	63.40	ND	ND
Antimony (Sb)	mg/kg	560	N/A	ND	ND	ND
Arsenic (As)	mg/kg	47	N/A	ND	ND	ND
Barium (Ba)	mg/kg	18750	N/A	ND	ND	ND
Boron (B)	mg/kg	15000	N/A	ND	ND	ND
Cadmium (Cd)	mg/kg	17	N/A	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	N/A	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	N/A	ND	ND	ND
Cobalt (Co)	mg/kg	130	N/A	ND	ND	ND
Copper (Cu)	mg/kg	7700	N/A	ND	ND	ND
Lead (Pb)	mg/kg	23	N/A	ND	ND	ND
Manganese (Mn)	mg/kg	15000	N/A	9.17	ND	ND
Mercury (Hg)	mg/kg	94	N/A	ND	ND	ND
Nickel (Ni)	mg/kg	930	N/A	ND	ND	ND
Selenium (Se)	mg/kg	460	N/A	ND	ND	ND
Strontium (Sr)	mg/kg	56000	N/A	46.89	ND	ND
Tin (Sn)	mg/kg	180000	N/A	ND	ND	ND
Organic tin	mg/kg	12	N/A	ND	ND	ND
Zinc (Zn)	mg/kg	46000	N/A	ND	ND	ND
Conclusion	-	-	N/A DUE TO OUT OF SCOPE	PASS	PASS	PASS



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-	Unit	Req.	Result			
Test Item(s)	-	-	I045	I046	I047	I048
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	2.49
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	7.20	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	9.54	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I049	I050	I051	I052
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	63.40	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	9.17	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	46.89	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	7.20
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



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-	Unit	Req.	Result			
Test Item(s)	-	-	I053	I054	I055	I056
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	36.99
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	2.48
Copper (Cu)	mg/kg	7700	ND	ND	ND	2.26
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	16.91
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	11.53
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	49.52
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	12.14	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I057	I058	I059	I060
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	63.40	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	3.73	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	9.17	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	46.89	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	7.20
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



-	Unit	Req.	Result			
Test Item(s)	-	-	I061	I062	I063	I064
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	63.40	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	9.17	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	46.89	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I065	I066	I067	I068
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	63.40
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	9.17
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	46.89
Tin (Sn)	mg/kg	180000	7.20	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



**BUREAU
VERITAS**

-	Unit	Req.	Result			
Test Item(s)	-	-	I069	I070	I071	I072
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	7.20	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I073	I074	I075	I076
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	63.40	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	9.17	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	46.89	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	7.20	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



-	Unit	Req.	Result			
Test Item(s)	-	-	I077	I078	I079	I080
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	63.40	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	9.17	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	46.89	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I081	I082	I083	I084
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	7.20	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



**BUREAU
VERITAS**

-	Unit	Req.	Result			
Test Item(s)	-	-	I085	I086	I087	I088
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	N/A	63.40
Antimony (Sb)	mg/kg	560	ND	ND	N/A	ND
Arsenic (As)	mg/kg	47	ND	ND	N/A	ND
Barium (Ba)	mg/kg	18750	ND	ND	N/A	ND
Boron (B)	mg/kg	15000	ND	ND	N/A	ND
Cadmium (Cd)	mg/kg	17	ND	ND	N/A	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	N/A	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	N/A	ND
Cobalt (Co)	mg/kg	130	ND	ND	N/A	ND
Copper (Cu)	mg/kg	7700	ND	ND	N/A	ND
Lead (Pb)	mg/kg	23	ND	ND	N/A	ND
Manganese (Mn)	mg/kg	15000	ND	ND	N/A	9.17
Mercury (Hg)	mg/kg	94	ND	ND	N/A	ND
Nickel (Ni)	mg/kg	930	ND	ND	N/A	ND
Selenium (Se)	mg/kg	460	ND	ND	N/A	ND
Strontium (Sr)	mg/kg	56000	ND	ND	N/A	46.89
Tin (Sn)	mg/kg	180000	ND	ND	N/A	ND
Organic tin	mg/kg	12	ND	ND	N/A	ND
Zinc (Zn)	mg/kg	46000	ND	ND	N/A	ND
Conclusion	-	-	PASS	PASS	N/A DUE TO OUT OF SCOPE	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I089	I090	I091	I092
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	3.73	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	7.20	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



**BUREAU
VERITAS**

-	Unit	Req.	Result			
Test Item(s)	-	-	I093	I094	I095	I096
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	9.54	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I097	I098	I099	I100
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	N/A	63.40	ND
Antimony (Sb)	mg/kg	560	ND	N/A	ND	ND
Arsenic (As)	mg/kg	47	ND	N/A	ND	ND
Barium (Ba)	mg/kg	18750	ND	N/A	ND	ND
Boron (B)	mg/kg	15000	ND	N/A	ND	ND
Cadmium (Cd)	mg/kg	17	ND	N/A	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	N/A	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	N/A	ND	ND
Cobalt (Co)	mg/kg	130	ND	N/A	ND	ND
Copper (Cu)	mg/kg	7700	ND	N/A	ND	ND
Lead (Pb)	mg/kg	23	ND	N/A	ND	ND
Manganese (Mn)	mg/kg	15000	ND	N/A	9.17	ND
Mercury (Hg)	mg/kg	94	ND	N/A	ND	ND
Nickel (Ni)	mg/kg	930	ND	N/A	ND	ND
Selenium (Se)	mg/kg	460	ND	N/A	ND	ND
Strontium (Sr)	mg/kg	56000	ND	N/A	46.89	ND
Tin (Sn)	mg/kg	180000	ND	N/A	ND	ND
Organic tin	mg/kg	12	ND	N/A	ND	ND
Zinc (Zn)	mg/kg	46000	ND	N/A	ND	ND
Conclusion	-	-	PASS	N/A DUE TO OUT OF SCOPE	PASS	PASS



**BUREAU
VERITAS**

-	Unit	Req.	Result			
Test Item(s)	-	-	I101	I102	I103	I104
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	7.20	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	ND	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I105	I106	I107	I108
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	ND	ND
Antimony (Sb)	mg/kg	560	ND	ND	2.10	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	9.54	ND	ND
Conclusion	-	-	PASS	PASS	PASS	PASS



**BUREAU
VERITAS**

-	Unit	Req.	Result			
Test Item(s)	-	-	I109	I110	I111	I112
Type	-	III	III	III	III	III
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	N/A	63.40	ND
Antimony (Sb)	mg/kg	560	ND	N/A	ND	ND
Arsenic (As)	mg/kg	47	ND	N/A	ND	ND
Barium (Ba)	mg/kg	18750	ND	N/A	ND	ND
Boron (B)	mg/kg	15000	ND	N/A	ND	ND
Cadmium (Cd)	mg/kg	17	ND	N/A	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	N/A	ND	ND
Chromium VI (Cr VI)	mg/kg	0.053	ND	N/A	ND	ND
Cobalt (Co)	mg/kg	130	ND	N/A	ND	ND
Copper (Cu)	mg/kg	7700	ND	N/A	ND	ND
Lead (Pb)	mg/kg	23	ND	N/A	ND	ND
Manganese (Mn)	mg/kg	15000	ND	N/A	9.17	ND
Mercury (Hg)	mg/kg	94	ND	N/A	ND	ND
Nickel (Ni)	mg/kg	930	ND	N/A	ND	ND
Selenium (Se)	mg/kg	460	ND	N/A	ND	ND
Strontium (Sr)	mg/kg	56000	ND	N/A	46.89	ND
Tin (Sn)	mg/kg	180000	ND	N/A	ND	ND
Organic tin	mg/kg	12	ND	N/A	ND	ND
Zinc (Zn)	mg/kg	46000	ND	N/A	ND	ND
Conclusion	-	-	PASS	N/A DUE TO OUT OF SCOPE	PASS	PASS

-	Unit	Req.	Result			
Test Item(s)	-	-	I113	I114	-	-
Type	-	III	III	III	-	-
Parameter	-	-	-	-	-	-
Aluminium (Al)	mg/kg	28130	ND	ND	-	-
Antimony (Sb)	mg/kg	560	ND	ND	-	-
Arsenic (As)	mg/kg	47	ND	ND	-	-
Barium (Ba)	mg/kg	18750	ND	ND	-	-
Boron (B)	mg/kg	15000	ND	ND	-	-
Cadmium (Cd)	mg/kg	17	ND	ND	-	-
Chromium III (Cr III)	mg/kg	460	ND	ND	-	-
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	-	-
Cobalt (Co)	mg/kg	130	ND	ND	-	-
Copper (Cu)	mg/kg	7700	ND	ND	-	-
Lead (Pb)	mg/kg	23	ND	ND	-	-
Manganese (Mn)	mg/kg	15000	ND	ND	-	-
Mercury (Hg)	mg/kg	94	ND	ND	-	-
Nickel (Ni)	mg/kg	930	ND	ND	-	-
Selenium (Se)	mg/kg	460	ND	ND	-	-
Strontium (Sr)	mg/kg	56000	ND	ND	-	-
Tin (Sn)	mg/kg	180000	ND	7.20	-	-
Organic tin	mg/kg	12	ND	ND	-	-
Zinc (Zn)	mg/kg	46000	ND	ND	-	-
Conclusion	-	-	PASS	PASS	-	-



Note / Key :

ND = Not detected

">" = Greater than

Req. =

Requirement NR = Not requested

g = gram(s)

INCON. =

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

[] = Detection Limit by test method with reference to EN 71 Part 3: 2019, Annex F

Detection Limit (mg/kg) :

For Type I and Type II - Each (As, Cd, Cr III and Hg) : 0.15 ; Cr VI : 0.005 [0.002] ; Organic tin : 0.04 ;

Pb : 0.5 ; Each (Others) : 2

For Type III - Cr III : 0.15 ; Cr VI : 0.05 [0.002] ; Each (Others) : 2

TEST RESULT

Alkylphenol Ethoxylates (APEO) Content Test

- Test Method I** : For Textile, and Fusing, Padding, Feather & Down:
International Standard ISO 18254: 2016.
- Test Method II** : For Leather :
With reference to International Standard ISO 18218-1: 2015
- Test Method III** : For Plastic, Rubber, Paint, Surface coating & Foam:
Tetrahydrofuran (THF) / Acetonitrile (ACN) extraction and analysis by Liquid
Chromatograph Mass Spectrometer (LC-MS). ISO 18254 (Modified).
- Test Method IV** : For Paper, Wood & Natural Straw:
With reference to International Standard ISO 18254: 2016, followed by LC-MS.

Maximum Limit:	100 mg/kg (Each)
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Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I001	ND	ND	mg/kg	PASS
I002	ND	ND	mg/kg	PASS
I003	ND	ND	mg/kg	PASS
I004	ND	ND	mg/kg	PASS
I005	ND	ND	mg/kg	PASS
I006	ND	ND	mg/kg	PASS
I007	ND	ND	mg/kg	PASS
I008	ND	ND	mg/kg	PASS
I009	ND	ND	mg/kg	PASS
I010	ND	ND	mg/kg	PASS
I011	ND	ND	mg/kg	PASS
I012	ND	ND	mg/kg	PASS
I013	ND	ND	mg/kg	PASS
I014	ND	ND	mg/kg	PASS
I015	ND	ND	mg/kg	PASS
I016	ND	ND	mg/kg	PASS
I017	ND	ND	mg/kg	PASS
I018	ND	ND	mg/kg	PASS
I019	ND	ND	mg/kg	PASS
I020	ND	ND	mg/kg	PASS
I021	ND	ND	mg/kg	PASS
I022	ND	ND	mg/kg	PASS
I023	ND	ND	mg/kg	PASS
I024	ND	ND	mg/kg	PASS
I025	ND	ND	mg/kg	PASS
I026	ND	ND	mg/kg	PASS
I027	ND	ND	mg/kg	PASS
I028	ND	ND	mg/kg	PASS
I029	ND	ND	mg/kg	PASS
I030	ND	ND	mg/kg	PASS
I031	ND	ND	mg/kg	PASS
I032	ND	ND	mg/kg	PASS
I033	ND	ND	mg/kg	PASS
I034	ND	ND	mg/kg	PASS
I035	NPEOs	24.18	mg/kg	PASS
I036	ND	ND	mg/kg	PASS
I037	ND	ND	mg/kg	PASS
I038	ND	ND	mg/kg	PASS



I039	ND	ND	mg/kg	PASS
I040	ND	ND	mg/kg	PASS
I041	N/A	-	-	-
I042	ND	ND	mg/kg	PASS
I043	ND	ND	mg/kg	PASS
I044	ND	ND	mg/kg	PASS
I045	ND	ND	mg/kg	PASS
I046	ND	ND	mg/kg	PASS
I047	ND	ND	mg/kg	PASS
I048	ND	ND	mg/kg	PASS
I049	ND	ND	mg/kg	PASS
I050	ND	ND	mg/kg	PASS
I051	ND	ND	mg/kg	PASS
I052	ND	ND	mg/kg	PASS
I053	ND	ND	mg/kg	PASS
I054	ND	ND	mg/kg	PASS
I055	ND	ND	mg/kg	PASS
I056	ND	ND	mg/kg	PASS
I057	ND	ND	mg/kg	PASS
I058	ND	ND	mg/kg	PASS
I059	ND	ND	mg/kg	PASS
I060	ND	ND	mg/kg	PASS
I061	ND	ND	mg/kg	PASS
I062	ND	ND	mg/kg	PASS
I063	ND	ND	mg/kg	PASS
I064	ND	ND	mg/kg	PASS
I065	ND	ND	mg/kg	PASS
I066	ND	ND	mg/kg	PASS
I067	ND	ND	mg/kg	PASS
I068	ND	ND	mg/kg	PASS
I069	ND	ND	mg/kg	PASS
I070	ND	ND	mg/kg	PASS
I071	ND	ND	mg/kg	PASS
I072	ND	ND	mg/kg	PASS
I073	ND	ND	mg/kg	PASS
I074	ND	ND	mg/kg	PASS
I075	ND	ND	mg/kg	PASS
I076	ND	ND	mg/kg	PASS
I077	ND	ND	mg/kg	PASS
I078	ND	ND	mg/kg	PASS
I079	ND	ND	mg/kg	PASS
I080	ND	ND	mg/kg	PASS
I081	ND	ND	mg/kg	PASS
I082	ND	ND	mg/kg	PASS
I083	ND	ND	mg/kg	PASS
I084	ND	ND	mg/kg	PASS
I085	ND	ND	mg/kg	PASS
I086	ND	ND	mg/kg	PASS
I087	N/A	-	-	-
I088	ND	ND	mg/kg	PASS
I089	ND	ND	mg/kg	PASS
I090	ND	ND	mg/kg	PASS
I091	ND	ND	mg/kg	PASS
I092	ND	ND	mg/kg	PASS
I093	ND	ND	mg/kg	PASS
I094	ND	ND	mg/kg	PASS
I095	ND	ND	mg/kg	PASS
I096	ND	ND	mg/kg	PASS
I097	ND	ND	mg/kg	PASS
I098	N/A	-	-	-
I099	ND	ND	mg/kg	PASS



I100	ND	ND	mg/kg	PASS
I101	ND	ND	mg/kg	PASS
I102	ND	ND	mg/kg	PASS
I103	ND	ND	mg/kg	PASS
I104	ND	ND	mg/kg	PASS
I105	ND	ND	mg/kg	PASS
I106	ND	ND	mg/kg	PASS
I107	ND	ND	mg/kg	PASS
I108	ND	ND	mg/kg	PASS
I109	ND	ND	mg/kg	PASS
I110	N/A	-	-	-
I111	ND	ND	mg/kg	PASS
I112	ND	ND	mg/kg	PASS
I113	ND	ND	mg/kg	PASS
I114	ND	ND	mg/kg	PASS

Note:

ND = Not detected
 ppm = part(s) per million = mg/kg = milligram(s) per kilogram
 Reporting Limit (mg/kg) : Each (OPEOs & NPEOs) : 20

">" = More than
 Conc. = Concentration

Remark:

- The list of alkylphenol ethoxylates is summarized in table of Appendix.

TEST RESULT

Alkylphenols (AP) Content Test

- Test Method I** : For Textile:
Methanol extraction followed by GC-MS or LC-MS analysis
- Test Method II** : For Leather :
With reference to International Standard ISO 18218-1 & ISO 18218-2: 2015 (Modified).
- Test Method III** : For Plastic, Rubber, Paint, Surface coating & Foam, and Fusing, Padding, Feather & Down:
Tetrahydrofuran (THF) / Acetonitrile (ACN) extraction and analysis by GC-MS or LC-MS (ISO 18254 Modified).
- Test Method IV** : For Paper, Wood & Natural Straw :
With reference to International Standard ISO 18254: 2016 (Modified), followed by GC-MS or LC-MS analysis.

Maximum Limit:	100 mg/kg (Each)
-----------------------	-------------------------

Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I001	ND	ND	mg/kg	PASS
I002	ND	ND	mg/kg	PASS
I003	ND	ND	mg/kg	PASS
I004	ND	ND	mg/kg	PASS
I005	ND	ND	mg/kg	PASS
I006	ND	ND	mg/kg	PASS
I007	ND	ND	mg/kg	PASS
I008	ND	ND	mg/kg	PASS
I009	ND	ND	mg/kg	PASS
I010	ND	ND	mg/kg	PASS
I011	ND	ND	mg/kg	PASS
I012	ND	ND	mg/kg	PASS
I013	ND	ND	mg/kg	PASS
I014	ND	ND	mg/kg	PASS
I015	ND	ND	mg/kg	PASS
I016	ND	ND	mg/kg	PASS
I017	ND	ND	mg/kg	PASS
I018	ND	ND	mg/kg	PASS
I019	ND	ND	mg/kg	PASS
I020	ND	ND	mg/kg	PASS
I021	ND	ND	mg/kg	PASS
I022	ND	ND	mg/kg	PASS
I023	ND	ND	mg/kg	PASS
I024	ND	ND	mg/kg	PASS
I025	ND	ND	mg/kg	PASS
I026	ND	ND	mg/kg	PASS
I027	ND	ND	mg/kg	PASS
I028	ND	ND	mg/kg	PASS
I029	ND	ND	mg/kg	PASS
I030	ND	ND	mg/kg	PASS
I031	ND	ND	mg/kg	PASS
I032	ND	ND	mg/kg	PASS
I033	ND	ND	mg/kg	PASS
I034	ND	ND	mg/kg	PASS
I035	ND	ND	mg/kg	PASS
I036	ND	ND	mg/kg	PASS



I037	ND	ND	mg/kg	PASS
I038	ND	ND	mg/kg	PASS
I039	ND	ND	mg/kg	PASS
I040	ND	ND	mg/kg	PASS
I041	N/A	-	-	-
I042	ND	ND	mg/kg	PASS
I043	ND	ND	mg/kg	PASS
I044	ND	ND	mg/kg	PASS
I045	ND	ND	mg/kg	PASS
I046	ND	ND	mg/kg	PASS
I047	ND	ND	mg/kg	PASS
I048	ND	ND	mg/kg	PASS
I049	ND	ND	mg/kg	PASS
I050	ND	ND	mg/kg	PASS
I051	ND	ND	mg/kg	PASS
I052	ND	ND	mg/kg	PASS
I053	ND	ND	mg/kg	PASS
I054	ND	ND	mg/kg	PASS
I055	ND	ND	mg/kg	PASS
I056	ND	ND	mg/kg	PASS
I057	ND	ND	mg/kg	PASS
I058	ND	ND	mg/kg	PASS
I059	ND	ND	mg/kg	PASS
I060	ND	ND	mg/kg	PASS
I061	ND	ND	mg/kg	PASS
I062	ND	ND	mg/kg	PASS
I063	ND	ND	mg/kg	PASS
I064	ND	ND	mg/kg	PASS
I065	ND	ND	mg/kg	PASS
I066	ND	ND	mg/kg	PASS
I067	ND	ND	mg/kg	PASS
I068	ND	ND	mg/kg	PASS
I069	ND	ND	mg/kg	PASS
I070	ND	ND	mg/kg	PASS
I071	ND	ND	mg/kg	PASS
I072	ND	ND	mg/kg	PASS
I073	ND	ND	mg/kg	PASS
I074	ND	ND	mg/kg	PASS
I075	ND	ND	mg/kg	PASS
I076	ND	ND	mg/kg	PASS
I077	ND	ND	mg/kg	PASS
I078	ND	ND	mg/kg	PASS
I079	ND	ND	mg/kg	PASS
I080	ND	ND	mg/kg	PASS
I081	ND	ND	mg/kg	PASS
I082	ND	ND	mg/kg	PASS
I083	ND	ND	mg/kg	PASS
I084	ND	ND	mg/kg	PASS
I085	ND	ND	mg/kg	PASS
I086	ND	ND	mg/kg	PASS
I087	N/A	-	-	-
I088	ND	ND	mg/kg	PASS
I089	ND	ND	mg/kg	PASS
I090	ND	ND	mg/kg	PASS
I091	ND	ND	mg/kg	PASS
I092	ND	ND	mg/kg	PASS
I093	ND	ND	mg/kg	PASS
I094	ND	ND	mg/kg	PASS
I095	ND	ND	mg/kg	PASS
I096	ND	ND	mg/kg	PASS
I097	ND	ND	mg/kg	PASS

I098	N/A	-	-	-
I099	ND	ND	mg/kg	PASS
I100	ND	ND	mg/kg	PASS
I101	ND	ND	mg/kg	PASS
I102	ND	ND	mg/kg	PASS
I103	ND	ND	mg/kg	PASS
I104	ND	ND	mg/kg	PASS
I105	ND	ND	mg/kg	PASS
I106	ND	ND	mg/kg	PASS
I107	ND	ND	mg/kg	PASS
I108	ND	ND	mg/kg	PASS
I109	ND	ND	mg/kg	PASS
I110	N/A	-	-	-
I111	ND	ND	mg/kg	PASS
I112	ND	ND	mg/kg	PASS
I113	ND	ND	mg/kg	PASS
I114	ND	ND	mg/kg	PASS

Note:

ND = Not detected
 ppm = part(s) per million =
 mg/kg
 Reporting Limit (mg/kg) : Each (OP & NP) : 10

">" = More than
 mg/kg = milligram(s) per
 kilogram
 Conc. = Concentration

Remark:

- The list of alkylphenols is summarized in table of Appendix.

APPENDIX

List of Alkylphenol Ethoxylates :					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Octylphenoethoxylates (OPEOs)	Various (9002-93-1, 9036-19-5, 68987-90-6)	2	Nonylphenoethoxylates (NPEOs)	Various (9016-45-9, 26027-38-3, 127087-87-0, 37205-87-1, 68412-54-4)
CAS-No. = Chemical Abstracts Service registry number					

List of Alkylphenols :					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Octylphenol (OP)	Various (140-66-9, 27193-28-8, 1806-26- 4)	2	Nonylphenol (NP)	Various (25154-52-3, 104-40-5, 84852-15-3, 11066-49-2)
CAS-No. = Chemical Abstracts Service registry number					

TEST RESULT

Polycyclic Aromatic Hydrocarbons (PAHs) Content - German Product Safety Commission GS Specification AfPS GS 2019:01 PAK

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

Type (See Comment for the List of Types)	I	Ila	Ilb	IIla	IIlb
Test Parameter(s)	Limit^[a] (mg/kg)				
Each of Benzo (a) pyrene, Benzo (e) pyrene, Benzo (a) anthracene, Benzo (b) fluoranthene, Benzo (j) fluoranthene, Benzo (k) fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene and Indeno (1,2,3-cd) pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Sum of Phenanthrene, Pyrene, Anthracene and Fluoranthene	< 1	< 5	< 10	< 20	< 50
Naphthalene	< 1	< 2	< 2	< 10	< 10
Sum of all listed PAHs	< 1	< 5	< 10	< 20	< 50

Test Item(s)	Type	Result			Conclusion
		Detected Analyte(s)	Conc.	Unit	
I001	I	ND	ND	mg/kg	PASS
I002	I	ND	ND	mg/kg	PASS
I003	I	ND	ND	mg/kg	PASS
I004	I	ND	ND	mg/kg	PASS
I005	I	ND	ND	mg/kg	PASS
I006	I	ND	ND	mg/kg	PASS
I007	I	ND	ND	mg/kg	PASS
I008	I	ND	ND	mg/kg	PASS
I009	I	ND	ND	mg/kg	PASS
I010	I	ND	ND	mg/kg	PASS
I011	I	ND	ND	mg/kg	PASS
I012	I	ND	ND	mg/kg	PASS
I013	I	ND	ND	mg/kg	PASS
I014	I	ND	ND	mg/kg	PASS
I015	I	ND	ND	mg/kg	PASS
I016	I	ND	ND	mg/kg	PASS
I017	I	ND	ND	mg/kg	PASS
I018	I	ND	ND	mg/kg	PASS
I019	I	ND	ND	mg/kg	PASS
I020	I	ND	ND	mg/kg	PASS
I021	I	ND	ND	mg/kg	PASS
I022	I	ND	ND	mg/kg	PASS
I023	I	ND	ND	mg/kg	PASS
I024	I	ND	ND	mg/kg	PASS
I025	I	ND	ND	mg/kg	PASS
I026	I	ND	ND	mg/kg	PASS
I027	I	ND	ND	mg/kg	PASS
I028	I	ND	ND	mg/kg	PASS

I029	I	ND	ND	mg/kg	PASS
I030	I	ND	ND	mg/kg	PASS
I031	I	ND	ND	mg/kg	PASS
I032	I	ND	ND	mg/kg	PASS
I033	I	ND	ND	mg/kg	PASS
I034	I	ND	ND	mg/kg	PASS
I035	I	ND	ND	mg/kg	PASS
I036	I	ND	ND	mg/kg	PASS
I037	I	ND	ND	mg/kg	PASS
I038	I	ND	ND	mg/kg	PASS
I039	I	ND	ND	mg/kg	PASS
I040	I	ND	ND	mg/kg	PASS
I041	-	N/A	-	-	-
I042	I	ND	ND	mg/kg	PASS
I043	I	ND	ND	mg/kg	PASS
I044	I	ND	ND	mg/kg	PASS
I045	I	ND	ND	mg/kg	PASS
I046	I	ND	ND	mg/kg	PASS
I047	I	ND	ND	mg/kg	PASS
I048	I	ND	ND	mg/kg	PASS
I049	I	ND	ND	mg/kg	PASS
I050	I	ND	ND	mg/kg	PASS
I051	I	ND	ND	mg/kg	PASS
I052	I	ND	ND	mg/kg	PASS
I053	I	ND	ND	mg/kg	PASS
I054	I	ND	ND	mg/kg	PASS
I055	I	ND	ND	mg/kg	PASS
I056	I	ND	ND	mg/kg	PASS
I057	I	ND	ND	mg/kg	PASS
I058	I	ND	ND	mg/kg	PASS
I059	I	ND	ND	mg/kg	PASS
I060	I	ND	ND	mg/kg	PASS
I061	I	ND	ND	mg/kg	PASS
I062	I	ND	ND	mg/kg	PASS
I063	I	ND	ND	mg/kg	PASS
I064	I	ND	ND	mg/kg	PASS
I065	I	ND	ND	mg/kg	PASS
I066	I	ND	ND	mg/kg	PASS
I067	I	ND	ND	mg/kg	PASS
I068	I	ND	ND	mg/kg	PASS
I069	I	ND	ND	mg/kg	PASS
I070	I	ND	ND	mg/kg	PASS
I071	I	ND	ND	mg/kg	PASS
I072	I	ND	ND	mg/kg	PASS
I073	I	ND	ND	mg/kg	PASS
I074	I	ND	ND	mg/kg	PASS
I075	I	ND	ND	mg/kg	PASS
I076	I	ND	ND	mg/kg	PASS
I077	I	ND	ND	mg/kg	PASS
I078	I	ND	ND	mg/kg	PASS
I079	I	ND	ND	mg/kg	PASS

I080	I	ND	ND	mg/kg	PASS
I081	I	ND	ND	mg/kg	PASS
I082	I	ND	ND	mg/kg	PASS
I083	I	ND	ND	mg/kg	PASS
I084	I	ND	ND	mg/kg	PASS
I085	I	ND	ND	mg/kg	PASS
I086	I	ND	ND	mg/kg	PASS
I087	-	N/A	-	-	-
I088	I	ND	ND	mg/kg	PASS
I089	I	ND	ND	mg/kg	PASS
I090	I	ND	ND	mg/kg	PASS
I091	I	ND	ND	mg/kg	PASS
I092	I	ND	ND	mg/kg	PASS
I093	I	ND	ND	mg/kg	PASS
I094	I	ND	ND	mg/kg	PASS
I095	I	ND	ND	mg/kg	PASS
I096	I	ND	ND	mg/kg	PASS
I097	I	ND	ND	mg/kg	PASS
I098	-	N/A	-	-	-
I099	I	ND	ND	mg/kg	PASS
I100	I	ND	ND	mg/kg	PASS
I101	I	ND	ND	mg/kg	PASS
I102	I	ND	ND	mg/kg	PASS
I103	I	ND	ND	mg/kg	PASS
I104	I	ND	ND	mg/kg	PASS
I105	I	ND	ND	mg/kg	PASS
I106	I	ND	ND	mg/kg	PASS
I107	I	ND	ND	mg/kg	PASS
I108	I	ND	ND	mg/kg	PASS
I109	I	ND	ND	mg/kg	PASS
I110	-	N/A	-	-	-
I111	I	ND	ND	mg/kg	PASS
I112	I	ND	ND	mg/kg	PASS
I113	I	ND	ND	mg/kg	PASS
I114	I	ND	ND	mg/kg	PASS

Note / Key :

ND = Not detected ">" = Greater than Conc. = Concentration
 mg/kg = milligram(s) per kilogram = ppm = part(s) per million "<" = Less than
 AfPS = Ausschuss für Produktsicherheit = Product Safety Commission PAK = PAHs
 GS = GS-Spezifikation = GS Specification
 Detection Limit (mg/kg) - Each of the listed PAHs : 0.2 ; Sum of all listed PAHs : 0.2

Remark :

- The list of polycyclic aromatic hydrocarbons is summarized in table of Appendix.
- Plasticized and rubberized prints, coatings and plastic materials of product are applicable to be tested.
- ^[a] denotes as this (these) limit(s) applies to product(s) with GS-Mark dated on or after July 01, 2020.

Comment :

List of Types [Categories defined in German AfPS GS 2019:01 PAK] :		
Category	Category Description(s)	Type
1	Category 1: Materials intended to be put in the mouth or materials in toys according to the toy directive 2009/48/EC, or materials in products for use of children up to three years with long-term intended skin contact (Longer than 30 seconds) according intended use	I
2	Category 2: Materials not covered by Category 1, with long-term skin contact (Longer than 30 seconds) or repeated short-term skin contact according intended use or foreseeable use	IIa ^[b] or IIb ^[c]
3	Category 3: Materials not covered by Category 1 or 2 with short term skin contact (Up to 30 seconds) according intended use or foreseeable use	IIIa ^[b] or IIIb ^[c]
<p>^[b] denotes as use by children before the age 14 with active and passive direct contact ^[c] denotes as other consumer products</p>		

APPENDIX

List of Polycyclic Aromatic Hydrocarbons (PAHs) [German AfPS GS 2019:01 PAK] :					
No.	Name of Analyte(s)	CAS-No.	No.	Name of Analyte(s)	CAS-No.
1	Benzo (a) pyrene ^[a]	50-32-8	10	Indeno (1,2,3-cd) pyrene	193-39-5
2	Benzo (e) pyrene ^[a]	192-97-2	11	Acenaphthylene	208-96-8
3	Benzo (a) anthracene ^[a]	56-55-3	12	Acenaphthene	83-32-9
4	Benzo (b) fluoranthene ^[a]	205-99-2	13	Fluorene	86-73-7
5	Benzo (j) fluoranthene ^[a]	205-82-3	14	Phenanthrene	85-01-8
6	Benzo (k) fluoranthene ^[a]	207-08-9	15	Pyrene	129-00-0
7	Chrysene ^[a]	218-01-9	16	Anthracene	120-12-7
8	Dibenzo (a,h) anthracene ^[a]	53-70-3	17	Fluoranthene	206-44-0
9	Benzo (g,h,i) perylene	191-24-2	18	Naphthalene	91-20-3
CAS-No. = Chemical Abstracts Service registry number					

TEST RESULT

Phthalates Content in Toys and Childcare Articles - European Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) with Amendments up to EU No. 412/2012, Annex XVII

Maximum Allowable Limit :	0.1%
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Test Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I006	ND	ND	%	PASS
I007	ND	ND	%	PASS
I008	ND	ND	%	PASS
I013	ND	ND	%	PASS
I014	ND	ND	%	PASS
I015	ND	ND	%	PASS
I022	ND	ND	%	PASS
I031	ND	ND	%	PASS
I032	ND	ND	%	PASS
I033	ND	ND	%	PASS
I042	ND	ND	%	PASS
I043	ND	ND	%	PASS
I044	ND	ND	%	PASS
I050	ND	ND	%	PASS
I051	ND	ND	%	PASS
I058	ND	ND	%	PASS
I059	ND	ND	%	PASS
I063	ND	ND	%	PASS
I068	ND	ND	%	PASS
I073	ND	ND	%	PASS
I074	ND	ND	%	PASS
I079	ND	ND	%	PASS
I088	ND	ND	%	PASS
I089	ND	ND	%	PASS
I090	ND	ND	%	PASS
I099	ND	ND	%	PASS
I100	ND	ND	%	PASS
I101	ND	ND	%	PASS
I111	ND	ND	%	PASS
I112	ND	ND	%	PASS
I113	ND	ND	%	PASS

Note / Key :

ND = Not detected

% = percent

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

Detection Limit (%) : Each : 0.005

">" = Greater than

1 % = 10 000 mg/kg

Conc. = Concentration

U. S. = United States

Remark :

The list of phthalates is summarized in table of Appendix.

APPENDIX

List of Phthalates:					
- List of Phthalates [European Regulation EC No. 1907/2006, Annex XVII]:					
No.	Name of Analytes	CAS-No. [EC No.]	No.	Name of Analytes	CAS-No. [EC No.]
1	Butyl benzyl phthalate (BBP)	85-68-7 [201-622-7]	4	Di-iso-nonyl phthalate (DINP)	28553-12-0 & 68515-48-0 [249-079-5 & 271-090-9]
2	Dibutyl phthalate (DBP)	84-74-2 [201-557-4]	5	Di-2-ethylhexyl phthalate (DEHP)	117-81-7 [204-211-0]
3	Di-iso-decyl phthalate (DIDP)	26761-40-0 & 68515-49-1 [247-977-1 & 271- 091-4]	6	Di-n-octyl phthalate (DNOP)	117-84-0 [204-214-7]

CAS-No. = Chemical Abstracts Service registry number



COVER PICTURE #1



COVER PICTURE #2



COVER PICTURE #3



COVER PICTURE #4



COVER PICTURE #5



COVER PICTURE #6



COVER PICTURE #7



COVER PICTURE #8



COVER PICTURE #9



COVER PICTURE #10



COVER PICTURE #11



COVER PICTURE #12



COVER PICTURE #13



COVER PICTURE #14



COVER PICTURE #15



COVER PICTURE #16



COVER PICTURE #17



COVER PICTURE #18



COVER PICTURE #19



COVER PICTURE #20



COVER PICTURE #21



COVER PICTURE #22



COVER PICTURE #23



COVER PICTURE #24



COVER PICTURE #25



COVER PICTURE #26



COVER PICTURE #27



COVER PICTURE #28



COVER PICTURE #29



COVER PICTURE #30



COVER PICTURE #31



COVER PICTURE #32



COVER PICTURE #33



COVER PICTURE #32



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