GWSTC Test Report

Date: 2017-08-30 **Page 1 of 33**

NO: GP164797

APPLICANT: (Code: JPC003)

Dongguan Jollybaby Products Co., Ltd.
Hengjiang Industrial Park, Chashan Town
Dongguan 523398, China

Attn: Mr. Ye

DESCRIPTION OF SAMPLE(S):

Nine (9) styles, eighteen (18) pieces of submitted sample (photo attached at Appendix A) said to be:

ITEM NO.	SAMPLE DESCRIPTION
WLTH8102J	GIRAFFE ACTIVITY CRIB SPIRAL
WLTH8003S	BLUE ACTIVITY CRIB SPIRAL
WLTH8004S	PINK ACTIVITY CRIB SPIRAL
WLTH8005S	STAR ACTIVITY CRIB SPIRAL
WLTH8076S	MONKEY ACTIVITY CRIB SPIRAL
WLTH8034J	BLUE ELEPHANT CRIB SPIRAL
WLTH8035J	PINK ELEPHANT CRIB SPIRAL
WLTH8127S	NAUGHTY MONKEY CRIB SPIRAL
WLTH8036J	LION ACTIVITY CRIB SPIRAL

COUNTRY OF ORIGIN: CHINA
COUNTRY OF DESTINATION: EUROPE

CONCLUSION:

EN71:Part 1:2014
The submitted sample complied with the requirement.

EN71:Part 2:2011+A1:2014
The submitted sample complied with the requirement.

EN71:Part 3:2013+A1:2014
The submitted sample complied with the requirement.

Approved Signatory:

Roger, Liu Xin Nian — Gong Chen Yin
Senior Engineer — Senior Engineer

Guangzhou Worldwide Standards and Testing Company Limited
110, Dongguanzhuang Road, Tianhe District, Guangzhou, China (Zip Code:510610)
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DATE OF SAMPLE(S) RECEIVED:

2017-06-05

INVESTIGATION REQUESTED:

European Standard for Safety of toys
- EN71:Part 1:2014 for mechanical and physical properties test
- EN71:Part 2:2011+A1:2014 for flammability test
- EN71:Part 3:2013+A1:2014 for migration of certain elements

DATE TESTED:

EN71
Part 1 & 2: 2017-06-05 to 2017-06-11, 2017-08-30
Part 3: 2017-06-05 to 2017-06-11

AGE GRADING:

The sample was appropriately age graded with the marking of '0 month and up'. The applicant also requested it be tested according to the age grade of all ages.

AGE GRADING FOR TESTING:

All ages

TEST RESULTS:

(1) EN71:Part 1:2014 - Mechanical and physical properties

Applicable Clause	Description	Result
4	General requirements	----
4.1	Material	Pass
4.2	Assembly	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.10	Parts moving against each other	----
4.10.2	Driving mechanisms	Pass
4.20	Acoustics	Pass
4.22	Small balls	Pass
5	Toys intended for children under 36 months	----
5.1	General requirements	Pass

Applicable Clause	Description	Result
5.2	Soft-filled toys and soft-filled parts of a toy	Pass
5.4	Cords, chains and electrical cables in toys	Pass
5.8	Shape and size of certain toys	Pass
5.10	Small balls	Pass
6	Packaging	Pass
7	Warning, marking and instructions for use	----
7.1	General	Pass
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator The following warning was in English on the packaging: 'WARNING! To prevent possible injury by entanglement, remove this toy when the child starts trying to get up on its hands and knees in a crawling position'.	Pass*[1]

*[1] = The standard states that warning and instructions for use should be given in the national language of the country where the toy is sold. The warning appeared on the toy and packaging was in English.

Markings and instructions for use:

Item	Observation Result
CE marking	Present
The manufacturer's or importer's name, registered trade name or registered trade mark and the address	Absent
Product ID	Present
Cleaning and washing instruction	Present
Instructions and safety information	Present

Remark: 1. Toys made available on the market shall bear the CE marking.
The CE marking shall be affixed visibly, legibly and indelibly.
The CE marking shall be at least 5 mm high.
2. The manufacturer's or importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
3. Manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

4. 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.
5. Manufacturers and importers shall ensure that the toy is accompanied by instructions and safety information in a language or languages easily understood by consumers, as determined by the Member State concerned. The instructions/safety information was found in English language with the submitted sample.
6. The information is not exhaustive and Directive 2009/48/EC and the associated guidance documents should be consulted for further details.

(2) EN71:Part 2:2011+A1:2014 – Flammability

Applicable Clause	Description	Result
4.1	General	Pass

(3) EN71:Part 3:2013+A1:2014 - Migration of certain elements (Category III: Scraped-off materials)
Determined by: Inductively Coupled Plasma-Mass Spectrometer /
Gas Chromatograph-Mass Spectrometer/
Liquid Chromatograph-Inductively Coupled Plasma-Mass Spectrometer

Coating material*

* = The white/black coatings of sewn-in label were insufficient to form testing materials of 10mg. In accordance with the Standard, they were not tested.

Polymeric materials

(a) Ring: yellow green
(b) Ball: yellow
(c) Ring: soft green
(d) Ring: soft light blue
(e) Leaf: soft deep yellow
(f) Leaf: soft orange
(g) Ring: bright yellow
(h) Ring: light blue
(i) Teether: soft olive green
(j) Teether: soft dull orange
(k) Teether: soft light blue
(l) Teether: light blue

Polymeric materials

(m) Leaf: soft deep green
(n) Ring: red
(o) Ring: deep orange
(p) Mirror: transparent
(q) Ring: bright green
(r) Ring: blue
(s) Velcro hook: soft white
(t) Velcro hook: soft transparent white

Textile materials

(u) Bee: shiny pink
(v) Sewn-in label: white
(w) Ribbon: deep pink with white/deep red printing
(x) Ribbon: bright green with white/deep green/multicolor printing
(y) Ribbon: orange with yellow printing
(z) Monkey: blue soft boa
(aa) Face of monkey: deep flesh soft boa
(ab) Ear/eye of monkey: flesh soft boa
(ac) Tail of monkey: white T/C with deep blue/red/multicolor printing
(ad) Pulling string: blue brushed tricot
(ae) Thread: black
(af) Thread: white
(ag) Thread: red
(ah) Thread: flesh
(ai) Baby elephant: orange ribbon
(aj) Pull ring of baby elephant: green brushed tricot
(ak) Giraffe: deep red brushed tricot
(al) Giraffe: dull yellow brushed tricot
(am) Giraffe: yellow soft boa
(an) Giraffe: deep yellow string
(ao) Giraffe: yellow T/C with light orange printing
(ap) Thread: bright red
(aq) Leaf: light green brushed tricot
(ar) Ribbon: dull blue with deep red printing
(as) Ribbon: fuchsia with white dots printing
(at) Elephant: pink soft boa
(au) Elephant: white T/C with light green/fuchsia/multicolor printing
(av) Cover of pull string: yellow T/C with blue stripes printing
(aw) Ball: red soft boa
(ax) Ball: yellow green soft boa
(ay) Thread: dull pink

Textile materials

(az) Thread: yellow
(ba) Thread: blue
(bb) Elephant: light blue soft boa
(bc) Elephant: fuchsia ribbon
(bd) Elephant: white with pink/green/multicolor printing
(be) Thread: light blue
(bf) Giraffe: coffee brushed tricot
(bg) Giraffe: deep yellow brushed tricot
(bh) Thread: orange
(bi) Thread: deep blue
(bj) Thread: coffee
(bk) Thread: rose
(bl) Thread: green
(bm) Giraffe: dull yellow brushed tricot
(bn) Elephant: white T/C with pink/red/multicolor printing
(bo) Lion: brown brushed tricot
(bp) Thread: bright coffee
(bq) Thread: bright red
(br) Thread: deep yellow
(bs) Edging of mirror: white T/C with dull blue checkers printing
(bt) Monkey: light brown soft boa
(bu) Monkey: beige soft boa
(bv) Monkey: coffee T/C with red/orange/multicolor dots printing
(bw) Thread: bright pink
(bx) Lion: White T/C with orange/yellow/dull violet printing
(by) Giraffe: orange soft boa
(bz) Giraffe: light red soft boa
(ca) Giraffe: bright deep yellow with orange/pink/multicolor printing
(cb) Giraffe: light violet T/C with deep violet/violet/multicolor printing
(cc) Ball: dull yellow plain weave
(cd) Ball: dull blue plain weave
(ce) Elephant: baby blue soft boa
(cf) Elephant: bright white with light green/deep green printing
(cg) Elephant: light blue T/C with deep blue/green/multicolor printing
(ch) Elephant: white T/C with deep blue printing
(ci) Elephant: red ribbon
(cj) Elephant: yellow ribbon
(ck) Giraffe: bright red with deep red/fuchsia printing
(cl) Giraffe: yellow soft boa
(cm) Giraffe: deep pink T/C with rose/green printing
(cn) Fix belt of crib spiral: light brown brushed tricot

Textile materials

(co) Monkey: white soft boa with leopard printing
(cp) Banana: black brushed tricot
(cq) Monkey: light yellow soft boa
(cr) Thread: deep orange
(cs) Lion: white T/C with orange printing
(ct) Expanding belt: blue jean
(cu) Expanding belt: white T/C with red checkers printing
(cv) Crib spiral: white T/C with grey printing
(cw) Edging of mirror: deep yellow
(cx) Mirror: light yellow ribbon
(cy) Mirror: deep red ribbon
(cz) Mirror: light green ribbon
(da) Mirror: light blue ribbon
(db) Flower: navy soft boa
(dc) Thread: dull deep blue
(dd) Monkey: white T/C with black printing
(de) Thread: light blue violet
(df) Expanding belt: white T/C with black dots
(dg) Switch of musical box: dull blue brushed tricot
(dh) Switch of musical box: green T/C with grey green/yellow printing
(di) Thread: dull light green
(dj) Elephant: deep violet thread (see Note)
(dk) Owl: deep pink soft boa
(dl) Owl: light pink soft boa
(dm) Owl: deep fuchsia brushed tricot
(dn) Owl: dull pink brushed tricot
(do) Thread: light pink
(dp) Thread: bright yellow
(dq) Thread: bright blue
(dr) Bee: rose brushed tricot
(ds) Bee: blue violet ribbon
(dt) Bee: white brushed tricot
(du) Beetle: brown soft boa
(dv) Pull string: deep pink brushed tricot
(dw) Crib spiral: pink T/C with light pink/deep pink printing
(dx) Thread: light rose
(dy) Sewn –in label: bright white with red/black printing
(dz) Baby elephant: green soft boa
(ea) Ears of baby elephant: bright white with deep yellow/orange/multicolor printing
(eb) Ears of body elephant: bright white with deep blue/light blue/multicolor printing
(ec) Baby elephant: green T/C with deep blue/yellow/red printing

Textile materials

(ed) Baby elephant: bright yellow green string
(ee) Baby elephant: violet T/C with deep yellow printing
(ef) Baby elephant: green ribbon
(eg) Baby elephant: blue ribbon
(eh) Giraffe: bright orange brushed tricot

Note: There was insufficient textile material to produce the test portion of 100mg. According to the Standard, the quantities of the elements were calculated as if 100mg of test portion had been used. The actual weight of the deep violet thread textile material used for analysis was 37mg.

Elements	Result (mg/kg)			Limit (mg/kg)
	(a)	(b)	(c)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(d)	(e)	(f)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(g)	(h)	(i)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(j)	(k)	(l)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(m)	(n)	(o)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(p)	(q)	(r)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
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Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(s)	(t)	(u)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
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Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)	Limit (mg/kg)

	(v)	(w)	(x)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
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Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	**Result (mg/kg)**			**Limit (mg/kg)**
	(y)	**(z)**	**(aa)**	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
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Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(ab)	(ac)	(ad)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
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Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(ae)	(af)	(ag)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
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Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(ah)	(ai)	(aj)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
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Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(ak)	(al)	(am)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
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Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(an)	(ao)	(ap)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
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Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(aq)	(ar)	(as)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
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Soluble barium	ND	ND	ND	18750
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Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)	Limit (mg/kg)

	(at)	(au)	(av)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(aw)	(ax)	(ay)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(az)	(ba)	(bb)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(bc)	(bd)	(be)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(bf)	(bg)	(bh)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(bi)	(bj)	(bk)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(bl)	(bm)	(bn)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(bo)	(bp)	(bq)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(br)	(bs)	(bt)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(bu)	(bv)	(bw)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(bx)	(by)	(bz)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(ca)	(cb)	(cc)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(cd)	(ce)	(cf)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(cg)	(ch)	(ci)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(cj)	(ck)	(cl)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(cm)	(cn)	(co)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(cp)	(cq)	(cr)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(cs)	(ct)	(cu)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(cv)	(cw)	(cx)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(cy)	(cz)	(da)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(db)	(dc)	(dd)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(de)	(df)	(dg)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(dh)	(di)	(dj)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(dk)	(dl)	(dm)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
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Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(dn)	(do)	(dp)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(dq)	(dr)	(ds)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(dt)	(du)	(dv)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(dw)	(dx)	(dy)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
Soluble antimony	ND	ND	ND	560
Soluble boron	ND	ND	ND	15000
Soluble lead	ND	ND	ND	160
Soluble cobalt	ND	ND	ND	130
Soluble selenium	ND	ND	ND	460
Soluble manganese	ND	ND	ND	15000
Soluble nickel	ND	ND	ND	930
Soluble strontium	ND	ND	ND	56000
Soluble copper	ND	ND	ND	7700
Soluble aluminium	ND	ND	ND	70000
Soluble barium	ND	ND	ND	18750
Soluble zinc	ND	ND	ND	46000
Soluble tin	ND	ND	ND	180000
Soluble organic tin	ND	ND	ND	12
Soluble chromium (III)	ND	ND	ND	460
Soluble chromium (VI)	ND	ND	ND	0.2

Elements	Result (mg/kg)			Limit (mg/kg)
	(dz)	(ea)	(eb)	
Soluble cadmium	ND	ND	ND	17
Soluble arsenic	ND	ND	ND	47
Soluble mercury	ND	ND	ND	94
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Remark:

1. ND = Not detected(see Table 1)
   mg/kg = milligram per kilogram
2. The organic tin cations that were tested in this report include MeT, BuT, DBT, TBT, TeBT, MOT, DOT, DProT, DPHT, TPHT according to EN71:Part 3:2013+A1:2014.

Table 1: Detection limits of each elements

Elements	Detection Limits (mg/kg)
Soluble cadmium	2
Soluble arsenic	5
Soluble mercury	5
Soluble antimony	10
Soluble boron.	10
Soluble lead	10
Soluble cobalt	10
Soluble selenium	10
Soluble manganese	10
Soluble nickel	10
Soluble strontium	100
Soluble copper	100
Soluble aluminium	100
Soluble barium	100
Soluble zinc	100
Soluble tin	$1.7^{\triangle 1}$
Soluble chromium	0.18
Soluble chromium (III)	10
Soluble chromium (VI)	$0.18^{\triangle 2}$
	$0.02^{\triangle 3}$

$^{\triangle 1}$= The tin content is used to satisfy organic tin on ICP-MS. When the result of total soluble tin content under the screening limit 1.7mg/kg, it means the sample satisfy the standard limit 12mg/kg for organic tin. Whenever the result of tin content exceed the screening limit of organic tin, confirmation test will be performed by GC-MSD.

$^{\triangle 2}$= The Chromium content is used to satisfy Chromium(Ⅲ) and Chromium(Ⅵ) on ICP-MS. Whenever the result of Chromium content exceed the screening limit of Chromium(Ⅵ),confirmation test will be performed. The screening limit for Chromium(Ⅵ) is 0.18 mg/kg (total soluble Chromium).

$^{\triangle 3}$= When the result of Chromium content exceed the screening limit 0.18mg/kg, the content of Chromium(Ⅵ) will be tested by LC-ICP-MS, and the Detection limit of Chromium(Ⅵ) is 0.02 mg/kg.

GWSTC Test Report

NO: GP164797

Appendix A

PHOTOGRAPH(S) OF THE SAMPLE

******* End of Document *******

签发测试报告的条款
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Samples submitted for testing are accepted on the understanding that the Report issued cannot from the basis of, or be the instrument for, any legal action against the Company.

7. 如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。
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Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of this test report for a period of three years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after the retention period. Under no circumstances shall we provide any data and information which has been disposed of after the retention period. Under no circumstances shall we be liable for damages of any kind, including (but no limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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