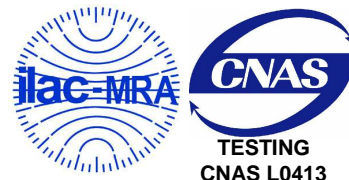




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- Applicant (YOC004)** : Yoshiritsu Co Ltd
1563 Koshibe Oyodo Yoshino Nara
638-0803 Japan

Attn: Mo Saeki
- Description of Samples** : Four styles of submitted sample each in three sets said to be:
NO.11. LAQ PARTS, NO.12. PAX PARTS, NO.13. HAMACRON PARTS, NO.14. HEADBAND PART (see attached photo)
COUNTRY OF ORIGIN: JAPAN
AGE GRADING: 5 YEARS OLD AND UP
- Date Samples Received** : 2013-11-18
- Date Tested** : 2013-11-18 to 2013-11-26
- Investigation Requested** :
- (1) ASTM Standard Consumer Safety Specification on Toy Safety, F963-11:
 - physical and mechanical tests
 - flammability test
 - heavy metals content
 - (2) USA Consumer Product Safety Improvement Act
 - Sec. 101(a): Children's products containing lead - Total lead content for substrate
 - Sec. 101 (f) and 16 CFR 1303: Children's products containing lead - Total lead content in paint and surface coating
 - Sec. 108: Phthalates content
 - (3) European Standard for Safety of Toys
 - EN71-1:2011
 - EN71-2:2011
 - EN71-3:2013

WONG Wing-cheung, Benny
CNAS Approved Signatory



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- Conclusions** :
- ASTM F963-11: physical and mechanical, electrical tests
The submitted sample complied with the test requirement.
 - ASTM F963-11: flammability test
The submitted sample complied with the test requirement.
 - ASTM F963-11: heavy metals content
The submitted sample complied with the test requirement.
 - USA Consumer Product Safety Improvement Act, Sec. 101(a): Total lead content for substrate in children's products
The submitted sample complied with the test requirement.
 - USA Consumer Product Safety Improvement Act, Sec. 101 (f) and 16 CFR 1303: Total lead content in paint and surface coating
The submitted sample complied with the test requirement.
 - USA Consumer Product Safety Improvement Act, Sec. 108: Phthalates content
The submitted sample complied with the test requirement.
 - EN71-1:2011
The submitted sample complied with the test requirement.
 - EN71-2:2011
The submitted sample complied with the test requirement.
 - EN71-3:2013
The submitted sample complied with the test requirement.

WONG Wing-cheung, Benny
CNAS Approved Signatory

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AGE GRADING:

The sample was appropriately age graded with the marking of "Ages 5+".

AGE GRADING FOR TESTING:

5 years and up.

Test Results :

1. ASTM F963

1.1 Mechanical and physical hazards

Ref.: ASTM F963-11

Applicable requirements before and after use and abuse testing:

| <u>Applicable Section</u> | <u>Description</u> | <u>Result</u> |
|---------------------------|--|--------------------|
| 4 | <u>Safety requirements</u> | |
| 4.1 | Material quality (by visual assessment) | Pass |
| 4.2 | Flammability | Pass* ¹ |
| 4.3 | Toxicology | Pass* ¹ |
| 4.6 | Small objects | Pass |
| 4.7 | Accessible edges | Pass |
| 4.9 | Accessible points | Pass |
| 5 | <u>Labeling requirements</u> | |
| 5.1 | Federal government requirements | Pass |
| 5.2 | Age grading labeling | Pass |
| 5.3 | Safety labeling requirements | Pass |
| 5.11 | Small objects, small balls, marbles and balloons | Pass |
| 7 | <u>Producer's markings</u> | |
| 7.1 | Name and address of the producer or distributor | Pass |

Use and abuse testing:

| <u>Applicable section</u> | <u>Description</u> | <u>Test Condition</u> |
|---------------------------|--------------------|-----------------------|
| 8.5 | Normal use testing | |
| 8.6 | Abuse testing | |
| 8.7 | Impact tests | 4 drops at 3 ft. |
| 8.8 | Torque tests | 4 in-lbs. |
| 8.9 | Tension tests | 15 lbs. |
| 8.10 | Compression tests | 30 lbs. |

*¹ = Refer to the relevant test results at the following pages.

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- 1.2 Flammability test of material other than textiles
Ref.: ASTM F963-11 Section 4.2
Method used: ASTM F963-11 Annex A5
Result: Pass

| <u>Sample</u> | <u>Burn rate</u> <u>(in/sec.)</u> |
|---------------------------|--------------------------------------|
| Headband | 0.02 |
| Wheel (Grey) | 0.02 |
| Accessory (Green square) | 0.03 |
| Accessory (Yellow square) | 0.03 |
| Accessory (Blue square) | 0.03 |
| Accessory (Red square) | 0.03 |
| Green hexagonal | 0.03 |
| Red hexagonal | 0.03 |
| Blue hexagonal | 0.03 |
| Yellow hexagonal | 0.03 |

Note: The burning rate should not be greater than 0.1 inch per second.

- 1.3 Heavy element
Ref.: ASTM F963-11 Section 4.3.5
Method: ASTM F963-11 Section 8.3
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Paint and Similar Surface-Coating Materials
Ref.: ASTM F963-11 Section 4.3.5.1

Test not applicable because the submitted samples did not contain any paint or similar surface coatings.

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Toys Substrate Materials (see Note)

Ref.: ASTM F963-11 Section 4.3.5.2

Polymeric material

- (a) Block (#11) : black ABS
- (b) Block (#11) : white ABS
- (c) Block (#11) : red ABS
- (d) Block (#11) : blue ABS
- (e) Block (#11) : yellow ABS
- (f) Block (#11) : green ABS
- (g) Block (#11) : pink ABS
- (h) Block (#11) : sky blue ABS
- (i) Block (#11) : lime ABS
- (j) Block (#11) : orange ABS
- (k) Block (#11) : brown ABS
- (l) Block (#11) : gray ABS
- (m) Block (#11) : black POM
- (n) Block (#11) : white POM
- (o) Block (#11/#12) : red POM
- (p) Block (#11/#12) : blue POM
- (q) Block (#11/#12) : yellow POM
- (r) Block (#11/#12) : green POM
- (s) Block (#11) : pink POM
- (t) Block (#11) : sky blue POM
- (u) Block (#11) : lime POM
- (v) Block (#11) : orange POM
- (w) Block (#11) : brown POM
- (x) Block (#11) : gray POM
- (y) Wheel (#13) : black
- (z) Wheel (#13) : white
- (aa) Axle of wheel : (#13) : dark black
- (ab) Wheel (#13) : light blue
- (ac) Headband (#14) : white PP

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| Sample | Total Lead content, ppm |
|--------|-------------------------|
| (a) | <10 |
| (b) | <10 |
| (c) | <10 |
| (d) | <10 |
| (e) | <10 |
| (f) | <10 |
| (g) | <10 |
| (h) | <10 |
| (i) | <10 |
| (j) | <10 |
| (k) | <10 |
| (l) | <10 |
| (m) | <10 |
| (n) | <10 |
| (o) | <10 |
| (p) | <10 |
| (q) | <10 |
| (r) | <10 |
| (s) | <10 |
| (t) | <10 |
| (u) | <10 |
| (v) | <10 |
| (w) | <10 |
| (x) | <10 |
| (y) | <10 |
| (z) | <10 |
| (aa) | <10 |
| (ab) | <10 |
| (ac) | <10 |
| Limit | 100 |

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| Sample | Soluble heavy metal content, ppm | | | | | | | |
|--------|----------------------------------|---------|----------|--------|----------|---------|---------|----------|
| | Lead | Cadmium | Chromium | Barium | Antimony | Arsenic | Mercury | Selenium |
| (a) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (b) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (c) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (d) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (e) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (f) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (g) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (h) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (i) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (j) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (k) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (l) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (m) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (n) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (o) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (p) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (q) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (r) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (s) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (t) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (u) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (v) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (w) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (x) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (y) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (z) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (aa) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (ab) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| (ac) | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Limit | 90 | 75 | 60 | 1000 | 60 | 25 | 60 | 500 |

ppm = mg/kg (milligram per kilogram)

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2. USA Consumer Product Safety Improvement Act

2.1 Children's products containing lead - Total lead content in substrate

Ref.: CPSIA Sec 101(a).

Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Polymeric material

Test method: Standard operation procedure for determining total lead (Pb) in non-metal children's products, CPSC-CH-E1002-08.1

- (a) Block (#11) : black ABS
- (b) Block (#11) : white ABS
- (c) Block (#11) : red ABS
- (d) Block (#11) : blue ABS
- (e) Block (#11) : yellow ABS
- (f) Block (#11) : green ABS
- (g) Block (#11) : pink ABS
- (h) Block (#11) : sky blue ABS
- (i) Block (#11) : lime ABS
- (j) Block (#11) : orange ABS
- (k) Block (#11) : brown ABS
- (l) Block (#11) : gray ABS
- (m) Block (#11) : black POM
- (n) Block (#11) : white POM
- (o) Block (#11/#12) : red POM
- (p) Block (#11/#12) : blue POM
- (q) Block (#11/#12) : yellow POM
- (r) Block (#11/#12) : green POM
- (s) Block (#11) : pink POM
- (t) Block (#11) : sky blue POM
- (u) Block (#11) : lime POM
- (v) Block (#11) : orange POM
- (w) Block (#11) : brown POM
- (x) Block (#11) : gray POM
- (y) Wheel (#13) : black
- (z) Wheel (#13) : white
- (aa) Axle of wheel : (#13) : dark black
- (ab) Wheel (#13) : light blue
- (ac) Headband (#14) : white PP

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| Sample No. | Total lead content, ppm |
|------------|-------------------------|
| (a) | <10 |
| (b) | <10 |
| (c) | <10 |
| (d) | <10 |
| (e) | <10 |
| (f) | <10 |
| (g) | <10 |
| (h) | <10 |
| (i) | <10 |
| (j) | <10 |
| (k) | <10 |
| (l) | <10 |
| (m) | <10 |
| (n) | <10 |
| (o) | <10 |
| (p) | <10 |
| (q) | <10 |
| (r) | <10 |
| (s) | <10 |
| (t) | <10 |
| (u) | <10 |
| (v) | <10 |
| (w) | <10 |
| (x) | <10 |
| (y) | <10 |
| (z) | <10 |
| (aa) | <10 |
| (ab) | <10 |
| (ac) | <10 |
| Limit | 100 |

- 2.2 Children's products containing lead - Total lead content in paint and surface coating
Ref.: CPSIA Sec. 101 (f) and 16 CFR 1303.
Test method: CPSC-CH-E 1003-09.1
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Test not applicable because the submitted samples did not contain any paint or similar surface coatings.

Remark

- ppm = part per million which is equivalent to milligram per kilogram (mg/kg)
- < = less than

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2.3 Phthalates content

Ref.: CPSIA Sec. 108

Test method: CPSC-CH-C1001-09.3 by Gas Chromatography with Mass Selective Detector

- (a) Block (#11) : black ABS
- (b) Block (#11) : white ABS
- (c) Block (#11) : red ABS
- (d) Block (#11) : blue ABS
- (e) Block (#11) : yellow ABS
- (f) Block (#11) : green ABS
- (g) Block (#11) : pink ABS
- (h) Block (#11) : sky blue ABS
- (i) Block (#11) : lime ABS
- (j) Block (#11) : orange ABS
- (k) Block (#11) : brown ABS
- (l) Block (#11) : gray ABS
- (m) Block (#11) : black POM
- (n) Block (#11) : white POM
- (o) Block (#11/#12) : red POM
- (p) Block (#11/#12) : blue POM
- (q) Block (#11/#12) : yellow POM
- (r) Block (#11/#12) : green POM
- (s) Block (#11) : pink POM
- (t) Block (#11) : sky blue POM
- (u) Block (#11) : lime POM
- (v) Block (#11) : orange POM
- (w) Block (#11) : brown POM
- (x) Block (#11) : gray POM
- (y) Wheel (#13) : black
- (z) Wheel (#13) : white
- (aa) Axle of wheel : (#13) : dark black
- (ab) Wheel (#13) : light blue
- (ac) Headband (#14) : white PP

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| Sample No. | Phthalates content, %(w/w) | | | | | |
|------------|----------------------------|-------|-------|-------|-------|-------|
| | DBP | BBP | DEHP | DNOP | DINP | DIDP |
| (a) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (b) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (c) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (d) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (e) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (f) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (g) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (h) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (i) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (j) | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 | 0.01 |
| (k) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (l) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (m) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (n) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (o) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (p) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (q) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (r) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (s) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (t) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (u) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (v) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (w) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (x) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (y) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (z) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (aa) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (ab) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| (ac) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Limit | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Remark:

- DBP =Di-n-butyl phthalate
- BBP =Benzyl-n-butyl phthalate
- DEHP = Di (2-ethylhexyl) phthalate
- DNOP = Di-n-octyl phthalate
- DINP = Diisononyl phthalate
- DIDP = Diisodecyl phthalate
- %(w/w) =percentage weight per weight
- The requirements of DNOP, DINP and DIDP are only applicable to components that can be placed in children's mouths.

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3. EN71

3.1 EN71-1:2011 - Part 1: Mechanical and physical properties

| <u>Applicable Clause</u> | <u>Description</u> | <u>Result</u> |
|--------------------------|--|----------------|
| 4 | <u>General requirements</u> | |
| 4.1 | Materials cleanliness | Pass |
| 4.7 | Edges | Pass |
| 4.8 | Points and metallic wires | Pass |
| 7 | <u>Markings and instructions for use</u> | * ² |
| 7.1 | General | Pass |
| 7.2 | Toys not intended for children under 36 months | Pass |

*² = The manufacturer or his authorized representative or the importer into the community shall in a visible, easily legible and indelible form affix his name and/or trade name and/or mark and address on the toy or on its packaging.

1.2 EN71-2:2011 - Part 2: Flammability

| <u>Applicable Clause</u> | <u>Description</u> | <u>Result</u> |
|--------------------------|----------------------|---------------|
| 4.1 | General requirements | Pass |

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- 1.3 EN71-3 :2013 – Part 3: Migration of certain elements
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer
and Inductively Coupled Plasma Mass Spectrometry

Category III: Scraped-off toy material

Polymeric material

- (a) Block (#11) : black ABS
- (b) Block (#11) : white ABS
- (c) Block (#11) : red ABS
- (d) Block (#11) : blue ABS
- (e) Block (#11) : yellow ABS
- (f) Block (#11) : green ABS
- (g) Block (#11) : pink ABS
- (h) Block (#11) : sky blue ABS
- (i) Block (#11) : lime ABS
- (j) Block (#11) : orange ABS
- (k) Block (#11) : brown ABS
- (l) Block (#11) : gray ABS
- (m) Block (#11) : black POM
- (n) Block (#11) : white POM
- (o) Block (#11/#12) : red POM
- (p) Block (#11/#12) : blue POM
- (q) Block (#11/#12) : yellow POM
- (r) Block (#11/#12) : green POM
- (s) Block (#11) : pink POM
- (t) Block (#11) : sky blue POM
- (u) Block (#11) : lime POM
- (v) Block (#11) : orange POM
- (w) Block (#11) : brown POM
- (x) Block (#11) : gray POM
- (y) Wheel (#13) : black
- (z) Wheel (#13) : white
- (aa) Axle of wheel : (#13) : dark black
- (ab) Wheel (#13) : light blue
- (ac) Headband (#14) : white PP

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| Elements | Result (mg/kg) | | | Limit(mg/kg) |
|---------------|----------------|-----|----|--------------|
| | a | b | c | |
| Aluminium | ND | ND | ND | 70000 |
| Antimony | ND | ND | ND | 560 |
| Arsenic | ND | ND | ND | 47 |
| Barium | ND | ND | ND | 18750 |
| Boron | ND | ND | ND | 15000 |
| Cadmium | ND | ND | ND | 17 |
| Chromium(III) | ND | ND | ND | 460 |
| Chromium (VI) | ND | ND | ND | 0.2 |
| Cobalt | ND | ND | ND | 130 |
| Copper | ND | ND | ND | 7700 |
| Lead | ND | ND | ND | 160 |
| Manganese | ND | ND | ND | 15000 |
| Mercury | ND | ND | ND | 94 |
| Nickel | ND | ND | ND | 930 |
| Selenium | ND | ND | ND | 460 |
| Strontium | ND | ND | ND | 56000 |
| Tin | ND | 0.3 | ND | 180000 |
| Organic tin | ND | 0.3 | ND | 12 |
| Zinc | ND | ND | ND | 46000 |

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| Elements | Result (mg/kg) | | | Limit(mg/kg) |
|---------------|----------------|----|----|--------------|
| | d | e | f | |
| Aluminium | ND | ND | ND | 70000 |
| Antimony | ND | ND | ND | 560 |
| Arsenic | ND | ND | ND | 47 |
| Barium | ND | ND | ND | 18750 |
| Boron | ND | ND | ND | 15000 |
| Cadmium | ND | ND | ND | 17 |
| Chromium(III) | ND | ND | ND | 460 |
| Chromium (VI) | ND | ND | ND | 0.2 |
| Cobalt | ND | ND | ND | 130 |
| Copper | ND | ND | ND | 7700 |
| Lead | ND | ND | ND | 160 |
| Manganese | ND | ND | ND | 15000 |
| Mercury | ND | ND | ND | 94 |
| Nickel | ND | ND | ND | 930 |
| Selenium | ND | ND | ND | 460 |
| Strontium | ND | ND | ND | 56000 |
| Tin | ND | ND | ND | 180000 |
| Organic tin | ND | ND | ND | 12 |
| Zinc | ND | ND | ND | 46000 |

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| Elements | Result (mg/kg) | | | Limit(mg/kg) |
|---------------|----------------|----|----|--------------|
| | g | h | i | |
| Aluminium | ND | ND | ND | 70000 |
| Antimony | ND | ND | ND | 560 |
| Arsenic | ND | ND | ND | 47 |
| Barium | ND | ND | ND | 18750 |
| Boron | ND | ND | ND | 15000 |
| Cadmium | ND | ND | ND | 17 |
| Chromium(III) | ND | ND | ND | 460 |
| Chromium (VI) | ND | ND | ND | 0.2 |
| Cobalt | ND | ND | ND | 130 |
| Copper | ND | ND | ND | 7700 |
| Lead | ND | ND | ND | 160 |
| Manganese | ND | ND | ND | 15000 |
| Mercury | ND | ND | ND | 94 |
| Nickel | ND | ND | ND | 930 |
| Selenium | ND | ND | ND | 460 |
| Strontium | ND | ND | ND | 56000 |
| Tin | ND | ND | ND | 180000 |
| Organic tin | ND | ND | ND | 12 |
| Zinc | ND | ND | ND | 46000 |

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| Elements | Result (mg/kg) | | | Limit(mg/kg) |
|---------------|----------------|----|----|--------------|
| | j | k | l | |
| Aluminium | ND | ND | ND | 70000 |
| Antimony | ND | ND | ND | 560 |
| Arsenic | ND | ND | ND | 47 |
| Barium | ND | ND | ND | 18750 |
| Boron | ND | ND | ND | 15000 |
| Cadmium | ND | ND | ND | 17 |
| Chromium(III) | ND | ND | ND | 460 |
| Chromium (VI) | ND | ND | ND | 0.2 |
| Cobalt | ND | ND | ND | 130 |
| Copper | ND | ND | ND | 7700 |
| Lead | ND | ND | ND | 160 |
| Manganese | ND | ND | ND | 15000 |
| Mercury | ND | ND | ND | 94 |
| Nickel | ND | ND | ND | 930 |
| Selenium | ND | ND | ND | 460 |
| Strontium | ND | ND | ND | 56000 |
| Tin | ND | ND | ND | 180000 |
| Organic tin | ND | ND | ND | 12 |
| Zinc | ND | ND | ND | 46000 |

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| Elements | Result (mg/kg) | | | Limit(mg/kg) |
|---------------|----------------|----|----|--------------|
| | m | n | o | |
| Aluminium | ND | ND | ND | 70000 |
| Antimony | ND | ND | ND | 560 |
| Arsenic | ND | ND | ND | 47 |
| Barium | ND | ND | ND | 18750 |
| Boron | ND | ND | ND | 15000 |
| Cadmium | ND | ND | ND | 17 |
| Chromium(III) | ND | ND | ND | 460 |
| Chromium (VI) | ND | ND | ND | 0.2 |
| Cobalt | ND | ND | ND | 130 |
| Copper | ND | ND | ND | 7700 |
| Lead | ND | ND | ND | 160 |
| Manganese | ND | ND | ND | 15000 |
| Mercury | ND | ND | ND | 94 |
| Nickel | ND | ND | ND | 930 |
| Selenium | ND | ND | ND | 460 |
| Strontium | ND | ND | ND | 56000 |
| Tin | ND | ND | ND | 180000 |
| Organic tin | ND | ND | ND | 12 |
| Zinc | ND | ND | ND | 46000 |

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| Elements | Result (mg/kg) | | | Limit(mg/kg) |
|---------------|----------------|-----|----|--------------|
| | p | q | r | |
| Aluminium | 5.6 | ND | ND | 70000 |
| Antimony | ND | ND | ND | 560 |
| Arsenic | ND | ND | ND | 47 |
| Barium | ND | ND | ND | 18750 |
| Boron | ND | ND | ND | 15000 |
| Cadmium | ND | ND | ND | 17 |
| Chromium(III) | ND | ND | ND | 460 |
| Chromium (VI) | ND | ND | ND | 0.2 |
| Cobalt | ND | ND | ND | 130 |
| Copper | ND | ND | ND | 7700 |
| Lead | ND | ND | ND | 160 |
| Manganese | ND | ND | ND | 15000 |
| Mercury | ND | ND | ND | 94 |
| Nickel | ND | ND | ND | 930 |
| Selenium | ND | ND | ND | 460 |
| Strontium | ND | ND | ND | 56000 |
| Tin | ND | 0.2 | ND | 180000 |
| Organic tin | ND | 0.2 | ND | 12 |
| Zinc | ND | ND | ND | 46000 |

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| Elements | Result (mg/kg) | | | Limit(mg/kg) |
|---------------|----------------|----|----|--------------|
| | s | t | u | |
| Aluminium | ND | ND | ND | 70000 |
| Antimony | ND | ND | ND | 560 |
| Arsenic | ND | ND | ND | 47 |
| Barium | ND | ND | ND | 18750 |
| Boron | ND | ND | ND | 15000 |
| Cadmium | ND | ND | ND | 17 |
| Chromium(III) | ND | ND | ND | 460 |
| Chromium (VI) | ND | ND | ND | 0.2 |
| Cobalt | ND | ND | ND | 130 |
| Copper | ND | ND | ND | 7700 |
| Lead | ND | ND | ND | 160 |
| Manganese | ND | ND | ND | 15000 |
| Mercury | ND | ND | ND | 94 |
| Nickel | ND | ND | ND | 930 |
| Selenium | ND | ND | ND | 460 |
| Strontium | ND | ND | ND | 56000 |
| Tin | ND | ND | ND | 180000 |
| Organic tin | ND | ND | ND | 12 |
| Zinc | ND | ND | ND | 46000 |

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| Elements | Result (mg/kg) | | | Limit(mg/kg) |
|---------------|----------------|----|----|--------------|
| | v | w | x | |
| Aluminium | ND | ND | ND | 70000 |
| Antimony | ND | ND | ND | 560 |
| Arsenic | ND | ND | ND | 47 |
| Barium | ND | ND | ND | 18750 |
| Boron | ND | ND | ND | 15000 |
| Cadmium | ND | ND | ND | 17 |
| Chromium(III) | ND | ND | ND | 460 |
| Chromium (VI) | ND | ND | ND | 0.2 |
| Cobalt | ND | ND | ND | 130 |
| Copper | ND | ND | ND | 7700 |
| Lead | ND | ND | ND | 160 |
| Manganese | ND | ND | ND | 15000 |
| Mercury | ND | ND | ND | 94 |
| Nickel | ND | ND | ND | 930 |
| Selenium | ND | ND | ND | 460 |
| Strontium | ND | ND | ND | 56000 |
| Tin | 0.2 | ND | ND | 180000 |
| Organic tin | 0.2 | ND | ND | 12 |
| Zinc | ND | ND | ND | 46000 |

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| Elements | Result (mg/kg) | | | Limit(mg/kg) |
|---------------|----------------|----|----|--------------|
| | y | z | aa | |
| Aluminium | ND | ND | ND | 70000 |
| Antimony | ND | ND | ND | 560 |
| Arsenic | ND | ND | ND | 47 |
| Barium | ND | ND | ND | 18750 |
| Boron | ND | ND | ND | 15000 |
| Cadmium | ND | ND | ND | 17 |
| Chromium(III) | ND | ND | ND | 460 |
| Chromium (VI) | ND | ND | ND | 0.2 |
| Cobalt | ND | ND | ND | 130 |
| Copper | ND | ND | ND | 7700 |
| Lead | ND | ND | ND | 160 |
| Manganese | ND | ND | ND | 15000 |
| Mercury | ND | ND | ND | 94 |
| Nickel | ND | ND | ND | 930 |
| Selenium | ND | ND | ND | 460 |
| Strontium | ND | ND | ND | 56000 |
| Tin | ND | ND | ND | 180000 |
| Organic tin | ND | ND | ND | 12 |
| Zinc | ND | ND | ND | 46000 |

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| Elements | Result (mg/kg) | | Limit(mg/kg) |
|---------------|----------------|----|--------------|
| | ab | ac | |
| Aluminium | ND | ND | 70000 |
| Antimony | ND | ND | 560 |
| Arsenic | ND | ND | 47 |
| Barium | ND | ND | 18750 |
| Boron | ND | ND | 15000 |
| Cadmium | ND | ND | 17 |
| Chromium(III) | ND | ND | 460 |
| Chromium (VI) | ND | ND | 0.2 |
| Cobalt | ND | ND | 130 |
| Copper | ND | ND | 7700 |
| Lead | ND | ND | 160 |
| Manganese | ND | ND | 15000 |
| Mercury | ND | ND | 94 |
| Nickel | ND | ND | 930 |
| Selenium | ND | ND | 460 |
| Strontium | ND | ND | 56000 |
| Tin | ND | ND | 180000 |
| Organic tin | ND | ND | 12 |
| Zinc | ND | ND | 46000 |

Remark: ND = Not detected (see Table A)
mg/kg = milligram per kilogram

The Chromium content was reported as Chromium (III) and Chromium (VI). Whenever the result of Chromium exceeded the limit of Chromium (III) and Chromium (VI), confirmation test was performed.

The Tin content was reported as Organic tin unless specified.

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| Table A. Detection limit | |
|--------------------------|----------------------------|
| Elements | Limit of Detection (mg/kg) |
| Aluminium | 5 |
| Antimony | 5 |
| Arsenic | 5 |
| Barium | 5 |
| Boron | 5 |
| Cadmium | 2.5 |
| Chromium(III) | 0.2 |
| Chromium (VI) | 0.2 |
| Cobalt | 5 |
| Copper | 5 |
| Lead | 5 |
| Manganese | 5 |
| Mercury | 5 |
| Nickel | 5 |
| Selenium | 5 |
| Strontium | 5 |
| Tin | 0.2 |
| Organic tin | 0.2 |
| Zinc | 5 |

***** End of Test Report *****

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Appendix for Photos of the Submitted Sample



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