



## Test Report

**Applicant** : TU HINCHABLE EN CASA, SL

**Address** : C/DUQUE DE SEVILLA, 11 28002 MADRID SPAIN

The following sample(s) was /were submitted and identified on behalf of the clients as :

**Sample Name** : Inflatable slide bouncer

**Sample Model** : ISB TH-002

**Trade Name** : N/A

**Manufacturer** : Shanghai Tonghuan Inflated Article Co., Ltd.

**Address** : NO.118, Hangtou Road, Shanghai Pudong New Area, China.

**Sample Received** : May 05, 2016

**Testing Period** : May 05, 2016 - May 12, 2016

**Test Requested** : Selected test (s)in the selected parts as requested by client.

**Test Method** : Please refer to next page(s).

**Test Result** : Please refer to next page(s).

Tested by:

*leek zhou*

Inspected by:

*Daisy zheng*

Approved by:



Date:

May 12, 2016



## Test Report

### Test Result:

Tested according to EN 14960:2013 Inflatable play equipment-Safety requirements and test methods

| Clause  | Testing Items                                   | Test Result                               | Assessment |
|---------|---|---|------------|
| 4       | Safety Requirements                             | --  | --         |
| 4.1     | Materials                                       | --  | --         |
| 4.1.1   | Fabrics   | Annex I                                   | P          |
| 4.1.2   | Thread  | Annex II                                  | P          |
| 4.1.3   | Netting   | Mesh Size=25mm                            | P          |
| 4.1.4   | Ropes   | Swing<15%<br>Diameter=29mm                | P          |
| 4.1.5   | Zips  | --  | P          |
| 4.1.6   | Dangerous Substances And<br>Decorative Finishes | Annex III                                 | P          |
| 4.2     | Design  | --  | --         |
| 4.2.1   | Anchorage                                       | Stakes, Weights,<br>Withstand Force>1600N | P          |
| 4.2.2   | Structural Integrity                            | Annex IV                                  | P          |
| 4.2.3   | Access/Egress                                   | Annex V                                   | P          |
| 4.2.4   | Blowers   | IP34                                      | P          |
| 4.2.5   | Entrapment                                      | --  | --         |
| 4.2.5.1 | Entrapment Of The Head And<br>Neck              | No Opening                                | P          |
| 4.2.5.2 | Clothing Entrapment                             | Comply With The<br>Requirements           | P          |
| 4.2.5.3 | Fingers Entrapment                              | Can't Pass Through 8mm<br>Finger Rod      | P          |



## Test Report

| Clause  | Testing Items                           | Test Result  | Assessment |
|---------|---|--|------------|
| 4.2.5.4 | Body Entrapment                         | Length=2.5m<br>Internal Diameter=85cm                        |            |
| 4.2.6   | Hard Objects, Sharp Angles<br>And Edges | Not Contain  |            |
| 4.2.7   | Electrical Installations                | Comply With The<br>Requirements                              | P          |
| 4.2.8   | Siting                                  | Comply With The<br>Requirements                              | P          |
| 4.2.9   | Containment                             | Containing Wall<br>Height=1.9m                               | P          |
| 4.2.10  | Wall Heights On Slopes                  | Containing Wall<br>Height=85cm                               | P          |
| 4.2.11  | Run-Out                                 | Height Of Highest<br>Platform=2.8m<br>Length Of Run-Out=1.5m | P          |
| 4.2.12  | Ventilation                             | Well Ventilated  | P          |



## Test Report

### Annex I

#### Flammability Test

**Test method:** As per European standard on safety of toys EN71-2: 2011.

**Test result:** rate of spread of flame 6mm/s.

| Clause   | Testing Items   | Assessment |
|----------|---|------------|
| 4.1      | General   | P          |
| 4.2      | Toys to be worn on the head   | NA         |
| 4.3      | Toy disguise costumes and toys intended To be worn by a child in play   | NA         |
| 4.4      | Toys intend to be entered by a child                                    | P          |
| 4.5      | Soft filler toys(animal and dolls etc.) With a piled or textile surface | NA         |
| Remark : | 1. P = Pass; 2. NA = Not applicable.                                    |            |

#### Tension test

| Test Item        | Test Method      | Specimen Size | Equipment | Result       |            |
|------------------|------------------|---------------|-----------|--------------|------------|
|                  |                  |               |           | Longitudinal | Transverse |
| Tear Strength    | EN 14960:2013    | 200mm×50mm    | CRE       | 400N         | 410N       |
| Tensile Strength | EN ISO 1421-2000 | 200mm×50mm    | CRE       | 1920N        | 1930N      |
| Coating Adhesion | ISO 2411-2000    | 50mm          | CRE       | 110N         |            |



## Test Report

### Annex II

| Test Item                     | Test Method      | Equipment | Result |
|-------------------------------|------------------|-----------|--------|
| Tensile Strength              | EN ISO 1421-2000 | CRE       | 95N    |
| Length Of Individual Stitches | --               | --        | 4-6mm  |

### Annex III

#### Migration of Certain Elements

**Test Method:** As per European standard on safety of toys EN71-3:2013.

#### Sample Description:

| No. | Description | Name             |
|-----|-------------|------------------|
| 1   | Yellow      | PVC Vinyl        |
| 2   | Orange      | Gloss PVC Vinyl  |
| 3   | Transparent | Transparent film |
| 4   | Light blue  | PVC Tarpaulin    |
| 5   | Yellow      | PVC Tarpaulin    |
| 6   | Red         | PVC Tarpaulin    |
| 7   | Dark blue   | PVC Tarpaulin    |
| 8   | Blue        | PVC              |
| 9   | Black       | PVC              |
| 10  | White       | PVC              |
| 11  | Transparent | PVC              |



## Test Report

|    |        |               |
|----|--------|---------------|
| 12 | Green  | PVC           |
| 13 | Brown  | PVC Tarpaulin |
| 14 | Green  | PVC Tarpaulin |
| 15 | White  | PVC Tarpaulin |
| 16 | Purple | PVC Tarpaulin |
| 17 | Pink   | PVC Tarpaulin |
| 18 | Orange | PVC Tarpaulin |
| 19 | Gray   | PVC           |



## Test Report

### The Result (No.1):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.





## Test Report

### The Result (No.2):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.3):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.4):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.5):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.





## Test Report

### The Result (No.6):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.7):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.8):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.9):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.





## Test Report

### The Result (No.10):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.11):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.12):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.13):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.





## Test Report

### The Result (No.14):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.15):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.16):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.17):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.





## Test Report

### The Result (No.18):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



## Test Report

### The Result (No.19):

#### Migration test

| Test Item(s)                  | Unit  | Result | MDL   | Limit  |
|-------------------------------|-------|--------|-------|--------|
| Soluble Aluminium (Al)        | mg/kg | N.D.   | 50    | 70000  |
| Soluble Antimony(Sb)          | mg/kg | N.D.   | 1.0   | 560    |
| Soluble Arsenic(As)           | mg/kg | N.D.   | 0.5   | 47     |
| Soluble Barium(Ba)            | mg/kg | N.D.   | 50    | 56000  |
| Soluble Boron(B)              | mg/kg | N.D.   | 50    | 15000  |
| Soluble Cadmium(Cd)           | mg/kg | N.D.   | 0.3   | 17     |
| Soluble Chromium(III)(Cr III) | mg/kg | N.D.   | 5     | 460    |
| Soluble Chromium(VI) (Cr VI)  | mg/kg | N.D.   | 0.005 | 0.2    |
| Soluble Cobalt(Co)            | mg/kg | N.D.   | 0.5   | 130    |
| Soluble Copper(Cu)            | mg/kg | N.D.   | 50    | 7700   |
| Soluble Lead(Pb)              | mg/kg | N.D.   | 0.5   | 160    |
| Soluble Manganese(Mn)         | mg/kg | N.D.   | 50    | 15000  |
| Soluble Mercury(Hg)           | mg/kg | N.D.   | 0.5   | 94     |
| Soluble Nickel(Ni)            | mg/kg | N.D.   | 10    | 930    |
| Soluble Selenium(Se)          | mg/kg | N.D.   | 0.08  | 460    |
| Soluble Strontium(Sr)         | mg/kg | N.D.   | 5.0   | 56000  |
| Soluble Tin(Sn)               | mg/kg | N.D.   | 50    | 180000 |
| Organic tin                   | mg/kg | N.D.   | 0.5   | 12     |
| Soluble Zinc(Zn)              | mg/kg | N.D.   | 0.08  | 46000  |



## Test Report

### Organic tin test

| Test Item(s)    | Unit  | Result | MDL | Limit |
|-----------------|-------|--------|-----|-------|
| Methyl tin      | mg/kg | N.D.   | 0.5 | 12    |
| Butyl tin       | mg/kg | N.D.   | 0.5 |       |
| Dibutyl tin     | mg/kg | N.D.   | 0.5 |       |
| Tributyl tin    | mg/kg | N.D.   | 0.5 |       |
| Tetrabutyl tin  | mg/kg | N.D.   | 0.5 |       |
| n-Octyl tin     | mg/kg | N.D.   | 0.5 |       |
| Di-n-octyl tin  | mg/kg | N.D.   | 0.5 |       |
| Diphenyl tin    | mg/kg | N.D.   | 0.5 |       |
| Triphenyl tin   | mg/kg | N.D.   | 0.5 |       |
| Di-n-propyl tin | mg/kg | N.D.   | 0.5 |       |

**Note:**

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.

## Test Report

### Sample Photo

Photo 1



Photo 2



\*\*\* End of Report \*\*\*