



### Test Report

**Customer:** BVCPS Denmark  
 Birkemosevej 7  
 6000 Kolding  
 Denmark

**Contact Person:** Lone Juhl  
**Customer Reference:** KS0106

**Report No.:** (25411)097-42738  
**Report Version:** 1

**Date of Reception:** 28.03.2011

**Report Date:** 07.04.2011  
**Date of Order:** 31.03.2011  
**Sampled By:** client

### Sample Information

**Requirements:** Tested according to "Customer" requirements  
**Testing Information:** H778A  
**Sample Description:** Hot dip Galvanizing of Steel articles  
**Performance Date:** 31.03.2011 - 07.04.2011

**No. of workdays:** 6

### Overall Rating

The test results of the analyzed samples /  
**PASS /**  
 the Customer requirements /

### Submitted Samples

Nr. 1



### Summary of test results

Tested according to "Customer" requirements

| Tests required               | Conclusion | Remark |
|------------------------------|------------|--------|
| Heavy metals                 | Pass       |        |
| Heavy metals acc. to EN 71-3 | Pass       |        |



### Tested Samples

| Article No: | Sample ID: | Sample description: |
|-------------|------------|---------------------|
|             | 42738-01   | 1. Metal part       |

### Test Results

Tested according to "Customer" requirements

| Sample description:                                                                                                                                      |              | 1. Metal part |        | Lab Reference No: | 42738-01 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|--------|-------------------|----------|
| <b>Test Method / Standard:</b> Lead, cadmium, mercury in metal substrates (CPSIA): CPSC-CH-E 1001-08, reporting limit: 10 mg/kg                          |              |               |        |                   |          |
| Parameter                                                                                                                                                | Limit        | Result        | Rating |                   |          |
| Lead (Pb)                                                                                                                                                | ≤ 300 mg/kg  | <10 mg/kg     | Pass   |                   |          |
| Cadmium (Cd)                                                                                                                                             | ≤ 75 mg/kg   | <10 mg/kg     | Pass   |                   |          |
| Mercury (Hg)                                                                                                                                             | ≤ 100 mg/kg  | <1 mg/kg      | Pass   |                   |          |
| <b>Test Method / Standard:</b> Safety of toys - Heavy metals, migration of certain elements: EN 71, Part 3, reporting limit: 1 mg/kg (Mercury 0.1 mg/kg) |              |               |        |                   |          |
| Parameter                                                                                                                                                | Limit        | Result        | Rating |                   |          |
| Antimony (Sb) corrected                                                                                                                                  | ≤ 60 mg/kg   | <1 mg/kg      | Pass   |                   |          |
| Arsenic (As) corrected                                                                                                                                   | ≤ 25 mg/kg   | <1 mg/kg      | Pass   |                   |          |
| Barium (Ba) corrected                                                                                                                                    | ≤ 1000 mg/kg | <1 mg/kg      | Pass   |                   |          |
| Cadmium (Cd) corrected                                                                                                                                   | ≤ 75 mg/kg   | <1 mg/kg      | Pass   |                   |          |
| Chromium (Cr) corrected                                                                                                                                  | ≤ 60 mg/kg   | <1 mg/kg      | Pass   |                   |          |
| Lead (Pb) corrected                                                                                                                                      | ≤ 90 mg/kg   | <1 mg/kg      | Pass   |                   |          |
| Mercury (Hg) corrected                                                                                                                                   | ≤ 60 mg/kg   | <0.1 mg/kg    | Pass   |                   |          |
| Selenium (Se) corrected                                                                                                                                  | ≤ 500 mg/kg  | <1 mg/kg      | Pass   |                   |          |

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The testing of mixed samples is carried at the customer's explicit request and may imply a deviation from the testing standard. Please note the following: results for mixed samples that are below the limit may exceed the limit if the samples contained in the mixed sample are tested individually. In these cases separated testing of the samples is recommended.

Performance Date: 31.03.2011 - 07.04.2011

Total Run Time: 6

*S. Breuer*

Julia Breuer, Laboratory Manager

No results printed beyond this point in the report

### Detailed Method Descriptions

| Analysis / Test:                                                                                                                                                                 | Lead, cadmium, mercury in metal substrates (CPSIA) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| CPSC-CH-E 1001-08 Standard operating Procedure for determining total lead in Children's Metal Products, digestion with Aqua Regia, ICP-MS measurement, reporting limit: 10 mg/kg |                                                    |
| Reporting limit for cadmium: 10 mg/kg                                                                                                                                            |                                                    |
| Reporting limit for mercury: 1 mg/kg                                                                                                                                             |                                                    |

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AKS-PL-21303

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**Parameters & CAS No.**

|                                                           |                  |
|-----------------------------------------------------------|------------------|
| <b>Lead, cadmium, mercury in metal substrates (CPSIA)</b> | <b>(CAS No.)</b> |
| Lead (Pb)(7439-92-1)                                      |                  |
| Mercury (Hg)(7439-97-6)                                   |                  |
| Cadmium (Cd)(7440-43-9)                                   |                  |

|                                                                     |                  |
|---------------------------------------------------------------------|------------------|
| <b>Safety of toys - Heavy metals, migration of certain elements</b> | <b>(CAS No.)</b> |
| Lead (Pb) corrected(7439-92-1)                                      |                  |
| Mercury (Hg) corrected(7439-97-6)                                   |                  |
| Antimony (Sb) corrected(7440-36-0)                                  |                  |
| Arsenic (As) corrected(7440-38-2)                                   |                  |
| Barium (Ba) corrected(7440-39-3)                                    |                  |
| Cadmium (Cd) corrected(7440-43-9)                                   |                  |
| Chromium (Cr) corrected(7440-47-3)                                  |                  |
| Selenium (Se) corrected(7782-49-2)                                  |                  |

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3/2010  
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