



## 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	
Test Method / Standard: 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
Test Method / Standard: 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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Managing Director: Dr. Manfred Mayer  
Laboratory Accreditation ISO 17025  
Commercial Register HRB 3564 Schwarm



## Parameters &amp; CAS No.

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

Safety of toys - Heavy metals, migration of certain elements	(CAS No.)
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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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