



Test Report

Customer: BVCPS Denmark
 Birkemosevej 7
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 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 Schwelm



Parameters & CAS No.

Lead, cadmium, mercury in metal substrates (CPSIA)	(CAS No.)
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.)
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)	