

**Laboratory Test Report**

Report Number: 2021-753-3738 Rev 1

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**Prepared for:** Hemway  
 Unit N1, Gildersome Spur Industrial Estate  
 Leeds  
 LS27 7JZ

**Sample described as:** Hemway Clear Satin Lacquer

**No. of samples:** 1                      **Reference number(s):** HEMCSL

**Date received:** 15/09/2021              **Date(s) tested:** 24-27/09/2021

**Packaging:** None

**Description of sample:** Clear Satin Lacquer

I **certify** that the above mentioned sample has been tested in accordance with the standard / regulation(s) specified below and that it complies or otherwise as follows:

<b>Migration of Certain Elements Test in accordance with ASTM F963-17 Standard Consumer Safety Specification for Toy Safety**</b>	<b>Complies</b>
<b>Canada Consumer Product Safety Act S.C.2010, c. 21 Schedule 2 &amp; Toys Regulations SOR/2011-17 and Amendments: Section 23: Specific substances in surface coatings**</b>	<b>Complies</b>



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 Joanne Maggs  
 Senior Analytical Services Manager

Date: 30/09/2021  
 Amended: 01/10/2021 to change the address

\*\*Subcontracted to an ILAC accredited laboratory within Eurofins / The reported results relate exclusively to the tested sample

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**Material list**

Testing material No.	Component	Material	Colour
1	Hemway clear satin lacquer	Coating	Transparent

**ASTM F963-17 4.3.5.1(2), Migration of Certain Elements in Paint and Similar Surface-coating Materials**

Test method : As per ASTM F963-17, soluble toxic element contents are determined by Inductively Coupled Plasma Mass Spectrometry (ICP-MS).

Detection limit : 2.5 mg/kg for each of the 8 soluble toxic elements

Test No.	Material No.	Testing element								
		As	Ba	Cd	Cr	Hg	Pb	Sb	Se	
		Limit (mg/kg)								
		25	1000	75	60	60	90	60	500	
Test result (mg/kg)										
1	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note: - 1 mg/kg = 1 ppm = 0.0001%  
 - N.D. = Not Detected

**Toys Regulations SOR/2011-17 and Amendments**
**Section 23: Specific substances in surface coatings - Total Lead Content**

Test method : Canada Product Safety Laboratory Book 5: Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-02.

Test Item	Test result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	1		
Total Lead (Pb)	N.D.	10	90

Note: - 1 mg/kg = 1 ppm = 0.0001%  
 - N.D. = Not Detected

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**Section 23: Specific substances in surface coatings - Total Mercury Content**

Test method : Canada Product Safety Laboratory Book 5: Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-07.

Test Item	Test result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	1		
Total Mercury (Hg)	N.D.	10	N.D.

 Note: - 1 mg/kg = 1 ppm = 0.0001%  
 - N.D. = Not Detected

**Section 23: Specific substances in surface coatings - Leachable Heavy Metal contents**

 Test method : Canada Product Safety Laboratory Book 5: Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-03.  
 Leachable heavy metal contents are determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Detection limit : 10 mg/kg for each element

Test No.	Material No.	Testing element				
		As	Ba	Cd	Sb	Se
		Limit [mg/kg]				
		1000	1000	1000	1000	1000
1	1	N.D.	N.D.	N.D.	N.D.	N.D.

 Note: - 1 mg/kg = 1 ppm = 0.0001%  
 - N.D. = Not Detected

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**Other Information / Remark:**

N/A



\*\*\*END OF THE REPORT\*\*\*