

Laboratory Test Report

Report Number: 2021-753-3737 Rev 1

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Prepared for: HMG Paints Ltd
Hemway
Unit N1, Gildersome Spur Industrial Estate
Leeds
LS27 7JZ

Sample described as: Hemway Clear Matt Lacquer

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

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

Packaging: None

Description of sample: Clear Matt 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:

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



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 matt 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. | 3.0 | 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