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# Certificate of Analysis

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>Product</b>                  | <b>20509 - Nitromethane ACS, 98% - [75-52-5]</b> |
| <b>Batch No</b>                 | <b>6040235</b>                                   |
| <b>Analysis Date</b>            | 02-Mar-2024                                      |
| <b>Date of Manufacture</b>      | March 2024                                       |
| <b>Expiry Date/Re-Test Date</b> | March 2029                                       |
| <b>Molecular Formula</b>        | CH <sub>3</sub> NO <sub>2</sub>                  |
| <b>Molecular Weight</b>         | 61.04                                            |

| Test Parameters              | Standards        | Actual Results   |
|------------------------------|------------------|------------------|
| Appearance (Clarity)         | Clear            | Clear            |
| Appearance (Colour)          | Colourless,oily  | Colourless,oily  |
| Appearance (Form)            | Liquid           | Liquid           |
| Colour (APHA)                | max.10           | Passes           |
| Solubility with water        | Slightly soluble | Slightly soluble |
| Miscibility in Ethanol (96%) | Clear,colourless | Clear,colourless |
| Assay (GC)                   | min. 98.0%       | 99.86%           |
| Density (g/ml) @ 20°C        | 1.132-1.133      | 1.132            |
| Refractive Index (20°C)      | 1.381-1.382      | 1.381            |
| Boiling Range                | 100-101°C        | 100-101°C        |
| Water (KF)                   | max. 0.05%       | 0.03%            |

FRM/82/11/2/20509 Rev No. 3 Date 26/03/2019

Prepared by Akshay

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

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