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## Certificate of Analysis

|                                 |  |
|---------------------------------|--|
| <b>Product</b>                  | <b>36823 - Benzene for HPLC &amp; UV Spectroscopy, 99.8% - [71-43-2]</b> |
| <b>Batch No</b>                 | <b>7221446</b>   |
| <b>Analysis Date</b>            | 01-Aug-2023  |
| <b>Date of Manufacture</b>      | August 2023  |
| <b>Expiry Date/Re-Test Date</b> | August 2028  |
| <b>Molecular Formula</b>        | C6H6   |
| <b>Molecular Weight</b>         | 78.11  |

| Test Parameters                            | Standards     | Actual Results |
|--|---------------|----------------|
| Appearance (Clarity)                       | Clear         | Clear          |
| Appearance (Colour)                        | Colourless    | Colourless     |
| Appearance (Form)                          | Liquid        | Liquid         |
| Colour (APHA)                              | max. 10       | Passes         |
| Assay (GC)                                 | min. 99.8%    | 99.95%         |
| Density (g/ml) @ 20°C                      | 0.878 - 0.879 | 0.878          |
| Refractive Index (20°C)                    | 1.499 - 1.501 | 1.499          |
| Boiling Range                              | 80 - 81°C     | 80-81°C        |
| Freezing Point                             | 5°C           | 5°C            |
| Non Volatile Matter                        | max. 0.0005%  | 0.0001%        |
| Acidity (HCl)                              | max. 0.001%   | 0.0003%        |
| Thiophene (C4H4S)                          | max. 0.0005%  | Passes         |
| Water (KF)                                 | max. 0.02%    | 0.02%          |
| %T (Transmission) in a 1cm cell<br>v/s H2O |               | .              |
| @280nm                                     | ≥20           | 32             |
| @285nm                                     | ≥50           | 72             |
| @290nm                                     | ≥80           | 84             |
| @300nm                                     | ≥85           | 94             |
| @310nm                                     | ≥90           | 97             |
| @320nm                                     | ≥95           | 98             |
| @330nm                                     | ≥98           | 98             |
| @340-400nm                                 | ≥99           | 100            |

FRM/82/11/2/36823 Rev No. 1 Date 01/11/2015

Prepared by Ashish

In compliance with the standard specifications of SRL

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