

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : 4-NITROTOLUENE FOR SYNTHESIS**

|                         |                                                                   |                     |                |
|-------------------------|-------------------------------------------------------------------|---------------------|----------------|
| <b>CAS No</b>           | : 99-99-0                                                         | <b>Product code</b> | : 16583        |
| <b>Mol. Formula</b>     | : CH <sub>3</sub> .C <sub>6</sub> H <sub>4</sub> .NO <sub>2</sub> | <b>Batch No.</b>    | : MCR-20915-02 |
| <b>Mol. WT</b>          | : 137.14                                                          | <b>Mfd.</b>         | : Sept. 2023   |
| <b>Date of analysis</b> | : 23/09/23                                                        | <b>Exp.</b>         | : Aug. 2028    |

| S. R | Test          | Specification                              | Observation          |
|------|---------------|--------------------------------------------|----------------------|
| 1    | Description   | Pale yellow crystals or crystalline powder | Pale yellow crystals |
| 2    | Assay (By GC) | 98 % min                                   | 99.96 %              |
| 3    | Melting point | 50 – 53°C                                  | 50.4°C               |
| 4    | Sulphated ash | 0.05 %max                                  | 0.02%                |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Ruchi)**

**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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