



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : n- BUTANOL 99% FOR SYNTHESIS**  
(Butane-1-ol, n-butyl alcohol)

**CAS No : 71-36-3**  
**Mol. Formula : C<sub>4</sub>H<sub>10</sub>O**  
**Mol. WT : 74.12**  
**Date of Analysis : 30/12/23**

**Product code : 13020**  
**Batch No : MCR-30054**  
**Mfd. : Dec. 2023**  
**Exp. : Nov. 2028**

| S.R | Test                                   | Specification   | Observation  |
|-----|--|---|--|
| 1   | <b>Description</b>                     | A clear, colourless liquid,with characteristic odor, APHA not greater than 10 HU. | A clear, colourless liquid,with characteristic odor, APHA less than 10 HU. |
| 2   | <b>Assay (GC)</b>                      | 99% min   | 99.88%   |
| 3   | <b>Wt. per ml (at 20<sup>o</sup>c)</b> | 0.809-0.811g  | 0.809g   |
| 4   | <b>Non volatile matter</b>             | 0.005% max  | 0.001%   |
| 5   | <b>Water</b>                           | 0.5% max  | 0.05%  |

**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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Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.