



## CERTIFICATE OF ANALYSIS

Date: 09/02/13

**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

Product code : 13020  
Batch No : MCR-6320  
Mfd. : Feb. 2013

| S. R | Test                             | Specification | Observation |
|------|----------------------------------|---------------|-------------|
| 1    | Assay (GC)                       | 99 % min      | 99.92%      |
| 2    | Wt.per ml (at 20 <sup>0</sup> c) | 0.808-0.811g  | 0.809g      |
| 3    | Non volatile matter              | 0.005% max    | 0.002%      |
| 4    | Water                            | 0.5% max      | 0.041%      |

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

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE  
(G.G.Salian)

Note: Computer generated image requires no sign.