



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : n- BUTANOL AR**  
(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 : 21/03/23**

**Product code : 22391**  
**Batch No. : MCRT-27935**  
**Mfd. : March 2023**  
**Exp. : Feb. 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>	99.5 % min	99.88%
3	<b>Wt.per ml (at 20<sup>0</sup>c)</b>	0.808-0.810g	0.810g
4	<b>Refractive index</b>	1.3990-1.4000	1.3998
5	<b>Water -insoluble matter</b>	Passes test	Passes test
6	<b>Acidity(CH<sub>3</sub>COOH)</b>	0.003% max	< 0.003%
7	<b>Non volatile matter</b>	0.003% max	0.002%
8	<b>Aldehyde &amp; Ketones (C<sub>3</sub>H<sub>7</sub>CHO)</b>	0.015% max	<0.015%
9	<b>Copper (Cu)</b>	0.0001% max	< 0.0001%
10	<b>Iron (Fe)</b>	0.0002% max	< 0.0002%
11	<b>Lead (Pb)</b>	0.0001% max	< 0.0001%
12	<b>Water</b>	0.1% max	0.04%

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Priyanka)**

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

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