



CERTIFICATE OF ANALYSIS

Date: 09/02/13

PRODUCT NAME : n-BUTANOL GR
(Butane-1-ol, n-butyl alcohol)

CAS No : 71-36-3
Mol. Formula : C₄H₁₀O
Mol. WT : 74.12

Product code : 22391
Batch No : MCRT-6320
Mfd. : Feb.2013

S. R	Test	Specification	Observation
1	Assay (GC)	99.5 % min	99.92%
2	Wt.per ml (at 20 ⁰ c)	0.808-0.810g	0.809g
3	Refractive index	1.3990-1.4000	1.3990
4	Water -insoluble matter	Passes test	Passes test
5	Acidity(CH ₃ COOH)	0.003% max	< 0.003%
6	Non volatile matter	0.003% max	0.002%
7	Aldehyde & Ketones (C ₃ H ₇ CHO)	0.015% max	<0.015%
8	Copper (Cu)	0.0001% max	< 0.0001%
9	Iron (Fe)	0.0002% max	< 0.0002%
10	Lead (Pb)	0.0001% max	< 0.0001%
11	Water	0.1% 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.

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