



GMP & ISO 9001 Quality System Certified Organization
MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

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CERTIFICATE OF ANALYSIS

Name of Item: TRIETHANOLAMINE (for synthesis) **Formula:** C₆H₁₅NO₃

M.W.: 149.19

Batch No:

CAS NO.: 102-71-6

Cat. No.: UP4244

Date of Mfg.:

Date of Analysis:

Type of Test	Standard	Observed
Description	A clear colorless to slightly yellowish viscous liquid	A clear colorless to slightly yellowish viscous liquid
Assay	(Min.) 98.0%	98.82%
pH (15% water)	10 - 13	10.13
d ₂₀ ⁴ /4°C	1.120 - 1.127g	1.120 g
Refractive index n ₂₀ ^o /D	1.483-1.486	1.484
Chloride (Cl)	<0.01%	0.005%
Sulphated ash	<0.05%	0.04%
Sulphate (SO ₄)	<0.01%	0.008%
Heavy metals (as Pb)	<0.002%	0.001%
Iron (Fe)	<0.001%	0.0007%
Water	<0.5%	0.48%

Results : The above product complies with LR grade