CERTIFICATE OF ANALYSIS

Date: 30/12/13

PRODUCT NAME : ETHANOLAMINE (MONO) 99% GR

CAS No : 141-43-5 **Product code : 23168**
Mol. Formula : C_2H_7NO **Batch No : MCRT-7560**
Mol. WT : 61.08 **Mfd. : Dec. 2013**

S. R	Test	Specification	Observation
1	**Assay**	99.0% min	99.85%
2	**Wt.per ml (at 20^0c)**	1.015-1.019g	1.017g
3	**Freezing point**	NLT 10^0c	10^0c
4	**Refractive index $(n)^{20}_D$**	1.453-1.455	1.454
5	**Sulphated ash**	0.02% max	0.015%
6	**Copper (Cu)**	0.0005% max	<0.0005%
7	**Iron (Fe)**	0.0005% max	<0.0005%
8	**Lead (Pb)**	0.0005% max	<0.0005%

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.

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA)
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : info@molylchem.net
Works: Plot No./9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,
Kulgaon, Badlapur (E), Dist.-Thane-421 503