



CERTIFICATE OF ANALYSIS

PRODUCT NAME : DIETHANOLAMINE AR

CAS No : 111- 42- 2

Formula : C₄H₁₁NO₂

Mol. WT : 105.14

Date of Analysis : 25/05/23

Product code : 22975

Batch No. : MCRT-25508-01

Mfd. : May 2023

Exp. : April 2028

S.R	Test	Specification	Observation
1	Description	Clear colourless to faint yellow colour viscous liquid.	Clear colourless viscous liquid.
2	Assay (acidimetric)	99% min	99.24%
3	Refractive index	1.477 – 1.478	1.478
4	Wt. per ml at 20 ⁰ C	1.095 – 1.097g	1.096g
5	Suitability for use as buffer for alkaline phosphate (test for inhibition)	Passes test	Passes test
6	Sulphated ash	0.01% max.	0.007%
7	Water	0.2% max.	0.014%
8	Triethanolamine	1.0% max.	<1.0%
9	Ethanolamine	0.5% max.	<0.5%
10	Cadmium(Cd)	0.0001% max.	<0.0001%
11	Cobalt (Co)	0.0001% max.	<0.0001%
12	Copper (Cu)	0.0001% max.	<0.0001%
13	Iron (Fe)	0.0001% max.	<0.0001%
14	Lead (Pb)	0.0001% max.	<0.0001%
15	Magnesium (Mg)	0.0001% max.	<0.0001%
16	Manganese (Mn)	0.0001% max.	<0.0001%
17	Nickel (Ni)	0.0001% max.	<0.0001%
18	Zinc(Zn)	0.0005% max.	<0.0005%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

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@molychem.net

**Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,
Kulgaon, Badlapur (E), Dist.-Thane-421 503**



[Tested By]

[QC Incharge]

**CHEMIST
(Jyoti)**

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

Note: Computer generated image requires no sign.

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