

### SPECIFICATION : DIETHNOLAMINE AR

<b>Issue date</b>	02/04/2018	<b>Review date</b>	01/04/2023	<b>Location</b>	<b>All Units</b>
<b>Version No.:</b>	00	<b>Supersedes</b>	--	<b>Page No</b>	1 of 2

#### PRODUCT DETAILS

1	Molecular Formula	HN(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub>	
2	Product code	D069	HOCH <sub>2</sub> CH <sub>2</sub> NHCH <sub>2</sub> CH <sub>2</sub> OH
3	Molecular weight	105.14	
4	CAS No	111-42-2	
5	Risk Statement No	22-38-41-48/22	
6	Safety Statement No	26-36/37/39-46	
7	UN No.	UN3077	

#### PACKING DETAILS

	Product code	Pack size
1	D06930	500 mL
2	D06932	2.5 L

#### PRODUCT SPECIFICATION

##### SL. No. TEST PARAMETERS

##### LIMITS

1	Description	A clear, colourless hygroscopic viscous liquid.
2	Miscibility	Completely miscible with water and ethanol. Slightly miscible with ether. Insoluble in benzene.
3	Identification	By IR Spectrum
4	Assay (GC)	Not less than 99.0%
5	Weight per mL at 20°C	Between 1.096 g and 1.100 g
6	Refractive index at 20°C	Between 1.475 and 1.479
7	Freezing range	Between 25.0°C and 30.0°C
8	Apparent equivalent weight	Between 104 and 106
9	Chloride (Cl)	Not more than 0.001%
10	Heavy metals (as Pb)	Not more than 0.0001%
11	Iron (Fe)	Not more than 0.0001%
12	Ethanolamine (GC)	Not more than 0.3%
13	Triethanolamine (GC)	Not more than 0.3%
14	Residue on ignition (as SO <sub>4</sub> )	Not more than 0.002%
15	Water (by KF)	Not more than 0.15%

**Department: Quality Control**

**Document No: LCPL/QSD/QAD/11**

**SOP No.: DB/SOP/QC/11-D069**

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**SAFETY SYMBOLS**



Harmful / Irritant



Health hazard



Corrosive