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SPECIFICATION OF MONOETHANOLAMINE (MEA)

SPECIFICATION	TESTING PROCEDURES	UNIT	MEA
COLOUR	ASTM D1209	APHA	25 MAX
ODOUR			MILDLY AMMONICAL
CRYSTALLISING POINT		Deg C	9 Min
SP. GR. AT 20/20 C	ASTM D891-59 Method C		1.015 – 1.02
WATER CONTENT	ASTM D1744 Modified	% By wt	0.6 Max
MEA	BY GC		99.0 Min
ASSAY	Acid-Base Titration	% By wt	99.0 Min
MEAN MOELCULAR WEIGHT	IS-7901-1975 Method A4	g/mol g/mol	61 Min 62.5 Max
DISTILLATION RANGE	ASTM D1078	IBP degC 95% degC DP degC	166 - 178
SUSPENDED MATTER	Visual		CLEAR LIQ.
WATER MISCIBILITY 10cc IN 90cc Water			COMPLETE
PHYSICAL PROPERTIES OF PURE PRODUCT			
APPEARANCE			Clear Hygroscopic Liquid
MOLECULAR WEIGHT		g/mol	61.08
BOILING POINT AT 760mm Hg		deg C	172
VAPOUR PRESS AT 20 deg. C		mm Hg	0.4
FREEZING POINT		deg C	10.3
FLASH POINT		deg C / deg F	93/200
IGNITION POINT		deg C	420
REFRACTIVE INDEX n _{20d}			1.4548
DYNAMIC VISCOCITY 20 deg. C		m Pas	24
DYNAMIC VISCOCITY 40 deg. C		m Pas	10
pH OF 0.1 N Aq. Soln.			12.05
VAPOUR DENSITY AIR=1			2.1
SPECIFIC HEAT at 50°C		KJ/Kg K	2.74
THERMAL CONDUCTIVITY at 50°C		W/MK	0.216
PACKING			AVAILABLE IN ROAD TANKER & HDPE DRUMS NET WT:210 KGS & IBCs
CAS. REG. NO.			141-43-5



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