

Properties and Standard Specifications

Higher Ethylenepolyamines

Physical Properties

Product Name				:	Higher Ethylenepolyamines - HEPA
Molecule formula				:	$H_2N - (C_2H_4 - NH)_{5-7} - H$
Appearance				:	Clear solution
Relative Density (20/20°C)				:	1.017
Boiling Point	at 101.3 kPa	[°C]		:	--
	at 1.33 kPa	[°C]		:	--
Pour Point		[°C]		:	< 0
Vapour Pressure at 20 °C		[Pa]		:	< 1
Total Nitrogen content		[wt. %]		:	33
Viscosity at 20 °C		[mPa.s]		:	≈ 600
Total Amine Value		[mgKOH/gr]		:	approx. 1240

Standard Specifications

Item	Unit	Value			Method of Analysis
		Minimum	Typical	Maximum	
Appearance	-	Clear , free of	suspended	matter	DEL 119
Colour	Gardner		< 5	10	DEL 117
Water	weight %		< 0.1	0.5	DEL 115
PEHA + higher Amines	area %	90	> 95		DEL 139