

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. 1200

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