

Properties and Standard Specifications

Higher Ethylenepolyamine S140

Physical Properties

Product Name	:	Higher Ethylenepolyamine S140 – HEPA S140
Molecule formula	:	$\text{H}_2\text{N} - (\text{C}_2\text{H}_4 - \text{NH})_{6-13} - \text{H}$
Appearance	:	Clear liquid
Relative Density 20/20°C	:	1.016
NaCl content	[wt. %] :	< 0.5 g/l
Boiling Point at 101.3 kPa	[°C] :	Decomposes
at 1.33 kPa	[°C] :	Not Determined
Flash Point PM	[°C] :	> 150
Vapour Pressure at 20°C	[Pa] :	< 1
Total Nitrogen content	[wt. %] :	33
Total Amine Value	[mgKOH/gr] :	approx. 1125

Standard Specifications

Item	Unit	Value			Method of Analysis
		Minimum	Typical	Maximum	
Appearance	-	Free of	suspended	matter	DEL 119
Colour	Gardner		< 15	20	DEL 117
Water	weight %		< 0.1	0.5	DEL 115
PEHA	area %			15	DEL 139
PEHA + higher amines	area %	95			DEL 139