

Specifications for Pentaerythritol

Parameter	Value	
Molecular Formula	C5H12O4	
Mol Wt	136.15	
CAS #	[115-77-5]	
Description	White crystalline odourless solid	
	PE 96	PE 98.5
Monopentaerythritol content (%)	96.0 min	98.5 min
Dipentaerythritol content (%)	1.5 max	0.2 max
Other organic matters (%)	2.0 max	1.2 max
MP in deg cel	239-241	253-255
Moisture (%)	0.5 max	0.2 max
Ash (%)	0.1 max	0.01 max
Hydroxyl value	47-48	49-51

Uses

Industry	Application
Coating	Key raw material for alkyd resins used in decorative and automotive paints In manufacture of high quality oil-based surface coatings
Process and Manufacturing	Raw material in manufacture of C5-C11 monocarboxylic acid esters
Plasticizer	Raw material for plasticizers