

## Pentaerythritol

**CAS №:** 115-77-5, **EC №:** 204-104-9

**Chemical formula:** C<sub>5</sub>H<sub>12</sub>O<sub>4</sub>



**Appearance:** white color crystal powder.

**Application:** it is used in the production of paints and lacquers, printing inks, lubricating oils, pentaplasts, for nitration and in other purposes.

### Specification:

Chemical and physical parameters	Values		
	Grade A		Grade B
	Highest quality	First quality	
Mass fraction of monopentaerythritol, %, no less	98,0	95,0	98,7
Melting point, °C, not lower	258	245	259
Mass fraction of water and volatile compounds, %, no more	0,1	0,2	0,1
Mass fraction of ash, %, no more	0,0015	0,01	0,0015
Chromaticity of fusion cake by APHA (Pt-Co) scale, Hazen units, no more	100	200	100
Mass content of hydroxyl groups, %	49,7-50,0	49,4-50,0	49,8-50,0
Mass fraction of a product going through a sieve with a mesh 01K, %, no more	7	Not rated	3
pH of pentaerythritol aqueous solution with mass fraction 5%	5,0-7,0	5,0-7,0	5,0-7,0

**Package:** 25 kg pockets, 500-1000 kg big-bags.