



Technical Data Sheet

CARBOWAX™ SENTRY™ Polyethylene Glycol (PEG) 4000 (Uninhibited)

Product(s)	CARBOWAX™ SENTRY™ Polyethylene Glycol 4000 NF Powder (Uninhibited); Macrogol 4000 Ph. Eur.
Description	Polyethylene Glycol
CAS Number	25322-68-3
Applications	Active Pharmaceutical Ingredient: Laxative / Colonic Lavage Adhesives Chemical Intermediates Dye Carrier Excipient: Ointments and Creams, Tablet Binder and Coating Personal Care Plasticizer

Typical Physical Properties⁽¹⁾

Property	Value
Physical Form	Waxy Solid
Average Number of Repeating Oxyethylene Units	90
Range of Average Molecular Weight	3600 – 4400
Range of Average Hydroxyl Number, mg KOH/g	25 – 32
Density, g/cm ³ at 60°C	1.093
Melting or Freezing Range, °C	53 – 59
Solubility in Water at 20°C, % by weight	66
Viscosity at 100°C, cSt	140.4
Heat of Fusion, Cal/g	45

1. Typical properties, not to be construed as specifications

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