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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