

**MB148 Poly(ethylene glycol) MW 4000, For Molecular Biology**

**Product Number Packing**

---

MB148 : 500G

**Product Information**

---

Product Code : MB148  
Product Name : Poly(ethylene glycol) MW 4000, For Molecular Biology  
Synonym : PEG 4000; Macrogol 4,000  
Molecular Formula : H (OCH<sub>2</sub> CH<sub>2</sub>)<sub>n</sub> OH  
Average Molecular Weight : 3600 - 4400  
CAS No. : 25322-68-3  
HS Code : 3907 20 11  
Shelf Life : 4 years

**Technical Specification**

---

Appearance : White to almost white waxy like solid or flakes or powder  
Solubility : 1000 mg soluble in 1 mL of water  
pH (5% in water at 20°C) : 4.00 - 7.00  
DNases : None detected  
RNases : None detected  
FTIR (KBr disc) : Matches with the standard pattern  
Congealing point : 53 - 59°C  
Water (K.F.) : <= 1.0%  
Hydroxyl value : 25 - 32 mg KOH/g  
Sulphated ash : <= 0.20%

**Risk and Safety Information**

---

WGK : 1  
RTECS : TQ4050000  
Storage Temperature(°C) : Store below 30°C

**Transport Information**

---

Marine Pollutant : No  
ADR/RID : Not Dangerous Goods  
IMDG : Not Dangerous Goods  
IATA : Not Dangerous Goods