

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Polyethylene glycol ( PEG ) ,average Mn 10000

ITEM NUMBER: P103731  
BRAND: Aladdin  
CAS NUMBER: 25322-68-3  
MDL NUMBER: MFCD00081839  
FORMULA: HO(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>H  
MOLECULAR WEIGHT:

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	white powder or flakes		
Hydroxyl value	9 mg	11 mg	10 mg
Infrared spectrum	Conforms to Structure		
Melting point	61 ° C	66 ° C	66 ° C
Molecular weight	8500	11500	11500
pH	4	7	7
residue on ignition	0 %	0.2 %	0.2 %
Solubility in H <sub>2</sub> O	Colorless, clear to slightly hazy, 100 mg/ml		
Viscosity	19 mm <sup>2</sup> /s /	21 mm <sup>2</sup> /s /	21 mm <sup>2</sup> /s /