

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Polyethylene glycol,average Mn 20000

ITEM NUMBER: P103730
BRAND: Aladdin
CAS NUMBER: 25322-68-3
MDL NUMBER: MFCD00081839
FORMULA: $C_{2n}H_{4n+2}O_{n+1}$
MOLECULAR WEIGHT:

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	white powder or flakes		
Hydroxyl value	4.5 mgKOH/g /	7 mgKOH/g /	7 mgKOH/g /
Infrared spectrum	Conforms to Structure		
loss on ignition	0 %	0.2 %	0.2 %
Melting point	63 ° C	66 ° C	66 ° C
Molecular weight	18500	22000	22000
pH	4	7	7
Solubility in hot water	Colorless,Clear,1g/10ml		
Sulfated ash	0 %	0.2 %	0.2 %
Viscosity(250mg/ml in water,40 ° C)	26 mm ² /s /	50 mm ² /s /	50 mm ² /s /
Water by Karl Fischer	0 %	1 %	1 %