



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-362505
Lot Number: SAMPLE
Product Name: PEG 20000
CAS Number: 25322-68-3
Molecular Formula: $\text{H}(\text{OCH}_2\text{CH}_2)_n\text{OH}$
Molecular Weight: ~20000

Test	Specification	Result
Appearance (Color)	White / colorless	White
Appearance (Form)	Powder to fine flakes	Flakes
Identification (NIR)		Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Melting Point	63 - 66 °C	65 °C
Molecular Weight	~ 16000 - 24000	19301
Solution (Color)	Colorless at 1 g in 10 ml hot water	Complies
Solution (Turbidity)	Clear(< 3.5 NTU) at 1 g in 10 ml hot water	Complies
Viscosity	2700 - 3500 maps	3047.0 MPAS
Gel-Permeation Chromatography		MP 25049, MN 20917, MW 25342, MZ 29748, D 1.21
Hydroxyl Value	4.5 - 7.0 mg KOH/g	5.8 mg KOH/g
Sulfated Ash	≤ 0.2%	0.060 %
Water Content	≤ 1.0 %	0.12 %

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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