LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Polyethylene Glycol (PEG) 8000, Granular
Item Number: PEG8000GN
Grade: NF
Lot Number: 5000182/1.1
Manufacture Date: 09/25/2022
Expiration Date: 09/24/2026
Country of Origin: United States

Tested Property	Specification	Analysis
Mole weight (average)	7000 - 9000	8934
Appearance	White Solid with a waxy appearance	Pass
Identification A	To pass the test	Pass
Identification B, C	To pass the test	Pass
pH (5% aq. sol) @25°C	4.5 - 7.5	6.6
Residue on Ignition	<0.1%	Pass
Sulfated Ash	<0.2%	Pass
Ethylene Oxide	Max 10 ppm	0
1, 4 - Dioxane	Max 10 ppm	Pass
Acidity (Less than 0.1ml of 0.1M NaOH)	To pass the test	Pass
Hydroxyl value	12 - 16	13
Water	Max 1.0 wt%	0.1
Reducing Substance	To pass the test	Pass
Formaldehyde	<15 ppm	Pass
Acetic Acid	<5000 ppm	Pass
BHT	Nominal 100 ppm	Pass
Diethylene glycol	Max 300 ppm	<21
Ethylene Glycol	Max 300 ppm	0
Color, Pt-Co (25% aq. sol)	Max 18	8
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