

Certificate of Analysis

Product Description: Polyethylene Glycol, MW 8000, molecular biology reagent

Catalog Number: 194839

Lot: YC11028

Formula : HO(CH₂CH₂O)_nH

CAS #: 25322-68-3

Physical Description: White Powder

Formula Weight: Ave. 8000

Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	56 - 66°C	58.3 - 61.9°C
pH (5% aq soln)	5.0 - 7.0	6.83

Molecular Weight: 8589

Ethylene Oxide: 0 ppm

1,4-Dioxane: 0 ppm

Viscosity (NF, 210°F): 793 cSt

Viscosity (EP, 50% aq soln, 20°C): 431 mPa·s

Acidity: <0.1mL of 0.1M NaOH

Hydroxyl Value: 13

Water: 0.1%

Reducing Substances: Passes

Formaldehyde: <15 ppm

Acetic Acid: <5000 ppm

BHT: nominal 100 ppm

Color (25% aq soln, Pt-Co): 10

Diethylene Glycol: <21 ppm

Ethylene Glycol: <27 ppm

Residue on Ignition: <0.1%

Sulfated Ash: <0.2%

Recommended Retest Date (MM/DD/YYYY): 02/22/2024



11/25/2022 - Lily Liu

MP Biomedicals, LLC.

QM

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