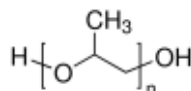


Certificate of Analysis

Product Name:
Polypropylene glycol - P 2,000

Product Number: 81380
Batch Number: BCCH4979
Brand: ALDRICH
CAS Number: 25322-69-4
Formula: C₃H₈O₂
Quality Release Date: 21 APR 2022



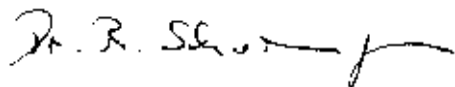
Test	Specification	Result
Appearance (Color)	Colorless to Almost Colorless	Colorless
Appearance (Form)	Viscous Liquid	Viscous Liquid
Molecular Number	—	1904
Mn (GPC-Analysis, Report Result)	—	1983
Molecular Weight	—	1978
Mp (GPC-Analysis, Report Result)	—	2053
Molecular Weight	—	1.04
Mw (GPC-Analysis, Report Result)	—	1.003
Molecular Weight	0.985 - 1.014	1.451
Mz (GPC-Analysis, Report Result)	1.450 - 1.452	0.0 %
Polydispersity Index (PDI)	≤ 0.1 %	Conforms
(GPC-Analysis, Report Result)	400 - 500 mPa.s	407 mPa.s
Density	0.985 - 1.014	1.003
(D20/4)	1.450 - 1.452	1.451
Refractive index at 20 °C	1.450 - 1.452	1.451
Water (Coulometric)	≤ 0.1 %	0.0 %
1H NMR Spectrum	Conforms to Structure	Conforms
Viscosity (Rotation)	400 - 500 mPa.s	407 mPa.s
20 C, Neat	400 - 500 mPa.s	407 mPa.s
Acid Value	≤ 0.08 mg/g	0.01 mg/g
(mg KOH/g)	≤ 0.08 mg/g	0.01 mg/g
Hydroxyl value	40 - 60 mg/g	55 mg/g
(mg KOH/g)	40 - 60 mg/g	55 mg/g

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Certificate of Analysis

Product Number: 81380
Batch Number: BCCH4979



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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