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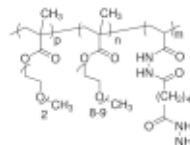
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Poly(M(EO)2MA:Poly(OEGMA) 90:10 - hydrazide functionalized, 25 wt. % (solution in water)

Product Number: 901546
Batch Number: MKCJ8764
Brand: ALDRICH
Storage Temperature: Store at 2 - 8 °C
Quality Release Date: 23 JUL 2019
Date Retested: 03 MAR 2020
Recommended Retest Date: MAR 2021



Test	Specification	Result
Appearance (Color)	Colorless to Faint Yellow	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
¹ H NMR Spectrum	Conforms to Structure	Conforms
Residue on Evaporation	20 - 30 % wt	24 % wt
Molecular Weight by GPC		21815
Specification: Report Only		
Functionalization		23 mole%
Hydrazide		
Specification: Report Only		
Composition	85 - 95 mole%	90 mole%
M(EO)2MA relative to OEGMA		
Composition	5 - 15 mole%	10 mole%
OEGMA relative to M(EO)2MA		
Recommended Retest Period	-----	-----
1 Year		

Michael Grady, Manager
 Quality Control
 Milwaukee, WI US

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.