

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Resomer® RG 502, Poly(D,L-Lactide-co-Glycolide) - lactide:glycolide 50:50, ester terminated, Mw 7,000-17,000

Product Number: 719889

CAS Number: 26780-50-7

Storage Temperature: 2 - 8 °C

TEST	Specification
------	---------------

Appearance (Color)	White to Off White
Appearance (Form)	Powder or Solid or Chunk(s)
¹ H NMR Spectrum	Conforms to Structure
Assay (qNMR)	48 - 52 mole%
Polymer Composition D, L-Lactide	
Assay (NMR)	48 - 52 mole%
Polymer Composition Glycolide	
GC Minor Component 1	≤ 0.50 %wt/wt
Residual Monomer D, L-Lactide	
GC Minor Component 2	≤ 0.50 %wt/wt
Residual Monomer Glycolide	
Molecular Number by GPC	
Report Result	
Molecular Weight by GPC	
Report Result	
Water	≤ 0.50 %
Sulfated Ash	Conforms
< 0.1%	
Viscosity	0.16 - 0.24
Inherent Viscosity in dl/g	
(0.5% in CHCl ₃ at 25 deg C)	
Odor	Pass
Nearly Odorless	
Ratio	
Mw/Mn	

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.



3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Resomer® RG 502, Poly(D,L-Lactide-co-Glycolide) - lactide:glycolide 50:50, ester terminated, Mw 7,000-17,000

Product Number: 719889

CAS Number: 26780-50-7

Storage Temperature: 2 - 8 °C

TEST	Specification
Tin (ICP)	≤ 100 ppm
Residual Solvents	≤ 0.10 %wt/wt
Acetone (GC)	—
Residual Solvents	≤ 890 ppm
Toluene (GC)	—
Residual Solvents	≤ 0.10 %wt/wt
Total (GC)	—
Vendor Information	Confirmed
EVONIK ROEHM SPECIFICATION and DATA	-----
Recommended Retest Period	-----
60 Months	

Specification: PRD.0.ZQ5.10000108321

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.

