



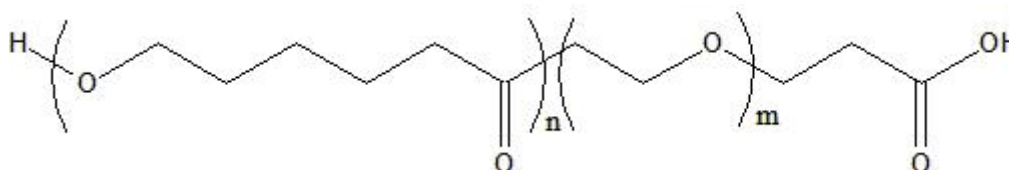
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Certificate of Analysis

General properties:

Product Name: PCL-PEG-COOH
Molecular Weight: PEG MW:550/750/1000/2000/3400/5000/10000 Dalton
PCL MW:1000/2000/5000/7000/10000/15000/20000/25000/30000/35000/40000 Dalton
Catalog Number: R-PL1106
Lot Number: RA01703261

Product Structure:



Product Specifications:

Items	Specification	Results
Appearance	Off-white/brown solid or viscous liquid	Off-white/brown solid or viscous liquid
¹ H NMR	Identical to the Structure	Identical to the Structure
PDI	<1.3	<1.3
Substitution of COOH by NMR	>90%	>90%

Date of Analysis: 2017.08.26

Recommended Retest date: 2018.08.26

Recommended Storage: -20°C, protected from light and moisture

Stability: 1 year

This product is for research use only, Not for human or animal use