

## Certificate of Analysis

### General properties:

Product Name: COOH-PCL-COOH

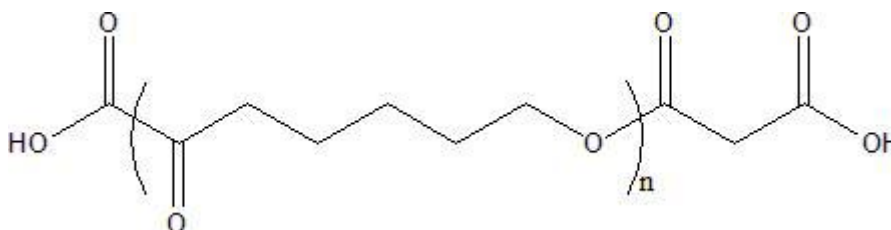
Molecular Weight:

PCL MW: 1000/2000/5000/7000/10000/15000/20000/25000/30000/35000/40000 Dalton

Catalog Number: R-PL1221

Lot Number: RA0172258

### Product Structure:



### Product Specifications:

Items	Specification	Results
Appearance	Off-white/brown solid or viscous liquid	Off-white/brown solid or viscous liquid
<sup>1</sup> H NMR	Identical to the Structure	Identical to the Structure
PDI	<1.5	<1.5
Substitution of COOH by NMR	>90%	>90%

Date of Analysis: 2017.09.21

Recommended Retest date: 2018.09.21

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**