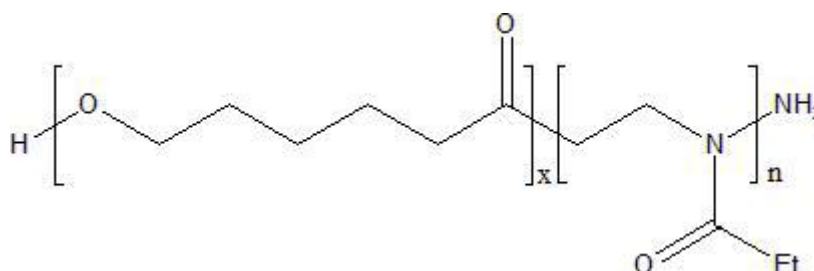


Certificate of Analysis

General properties:

Product Name: PCL-PEOz-NH₂
 Molecular Weight: PEOz MW:1000/2000/5000/10000 Dalton
 PCL MW:1000/2000/3000/5000/8000/10000/15000/20000 Dalton
 Catalog Number: R-PL2050
 Lot Number: RO0176362

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 | <1.5 | <1.5 |
| Substitution of NH ₂ by NMR | >90% | >90% |

Date of Analysis: 2017.10.11

Recommended Retest date: 2018.10.10

Recommended Storage: -20°C in the dark

Stability: 1 year

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