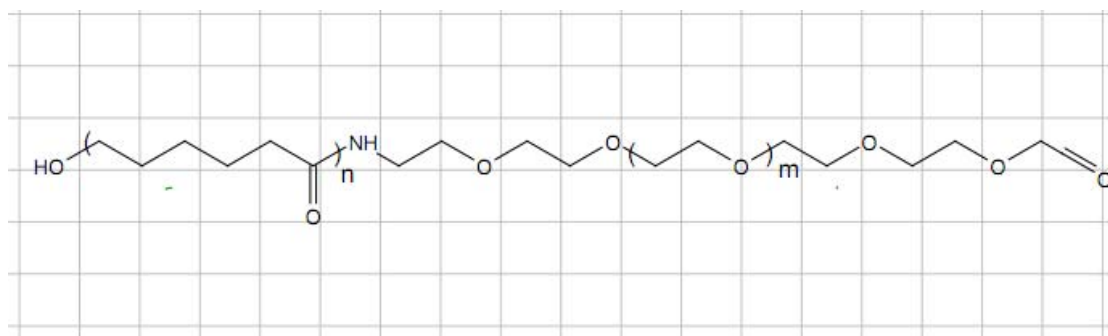


## Certificate of Analysis

### General properties:

Name: PCL5000-PEG2000-CHO  
Molecular Weight: 7000 Dalton  
Cat.#: R-PL1368-7k  
Lot.#: R01624111  
Date of Analysis: 2016.11.24  
Recommended Retest date: 2017. 11.24  
Stability: 12 months  
Storage: -20°C in the dark

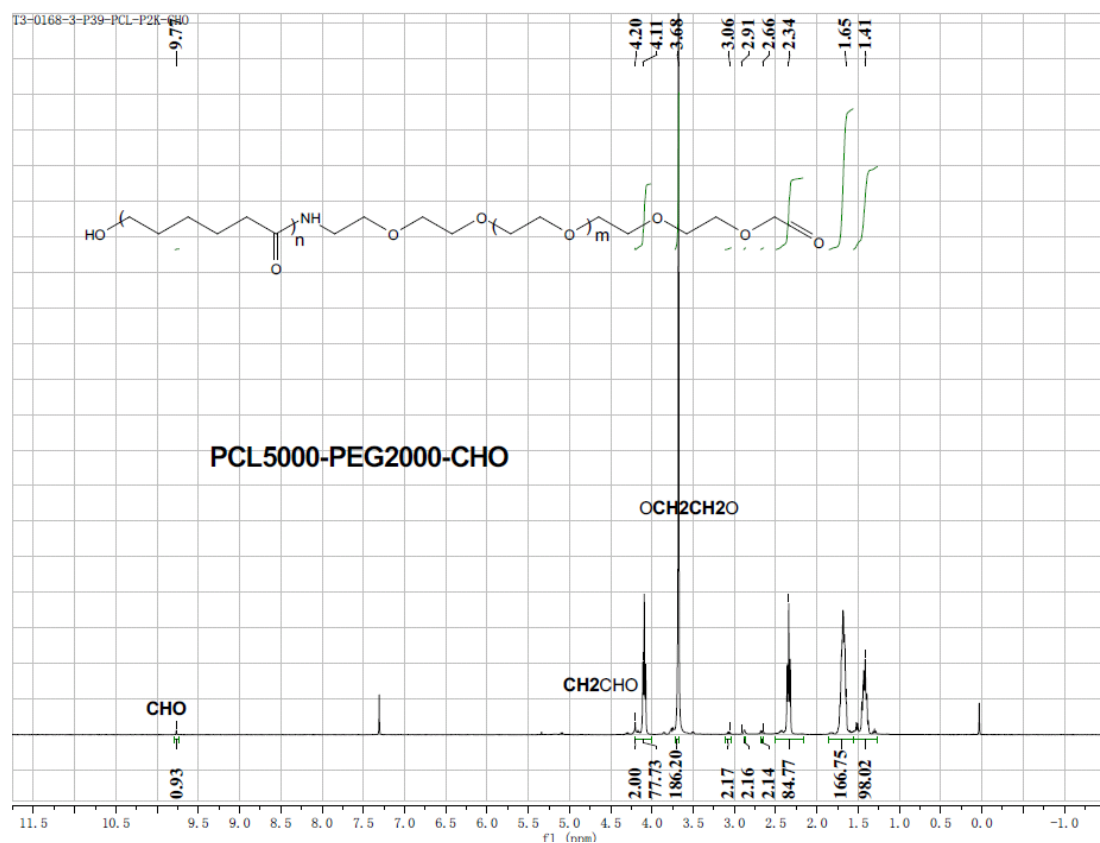
### Structure



Items	Specification	Results
Appearance	White/ Off-white solid	White solid
<sup>1</sup> H NMR	Identical to the Structure	Identical to the Structure
Foreign Material	None	None
Substitution	>90%	95%

Report Date: 2016. 11.24

核磁图谱:



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