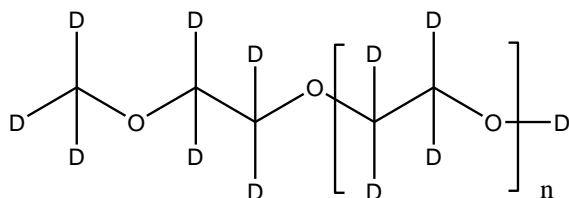


Sample Name: Deuterated Poly (ethylene glycol) methyl ether- completely deuterated

Sample #: P41527-dmPEG

Structure:



Composition:

Mn x 10 ³	PDI
8.0	1.4

Synthesis Procedure:

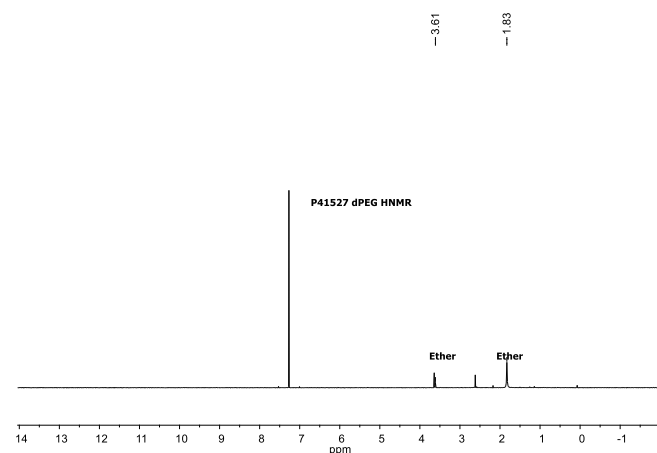
The polymer is prepared by anionic polymerization process.

Characterization:

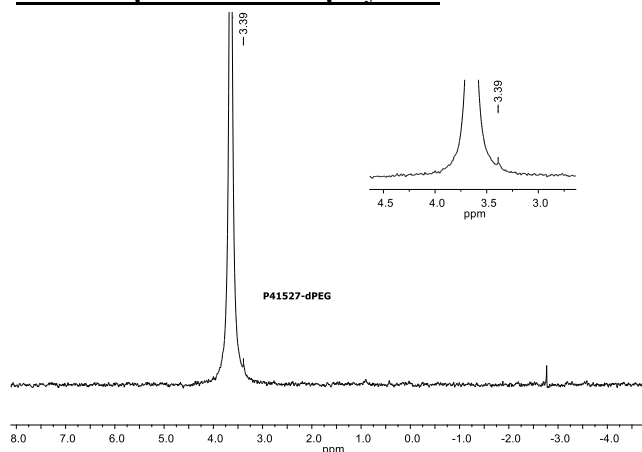
The product was characterized by size exclusion chromatography (SEC), elemental analysis and ¹H- DNMR.

Potassium analysis was done by GLI Procedure ME-70 Galbraith K<24 ppm

¹HNMR spectrum of the Polymer:



D NMR spectrum of the polymer:

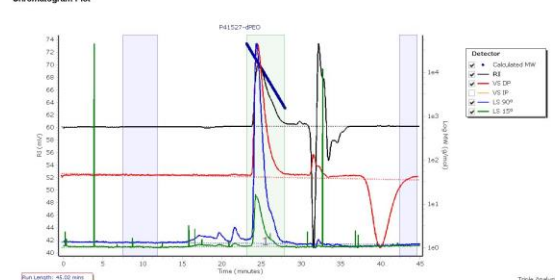


SEC elugram of the Sample:

Agilent GPC/SEC Software

P41527-dPEO

Chromatogram Plot



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	15472	7955	11536	14274	16831	14218	1.451

Processing Parameters
 Method: Last modified by Polymer Source at 11:41:18 AM on October-24-18
 Concentration Detector Used in: RI
 Analysis:
 Injection volume (μL): 100.00
 Flow rate (mL/min): 1.00
 Concentration options: Calculate Sample Concentration from Entered Sample Properties
 Entered divs: (mL/g): 0.067
 Entered Std Coeff (g/mg/mL) * 1000: 1.000
 Calculated RI concentration (mg/mL): 3.119
 MW calculation method: Use all angles
 Log M-v-RT curve fit options: Set the fit limits using the limits at peak width of 10 %
 Polynomial curve fit order: 1
 Use Constant Inlet Pressure: No
 Flory-Fox: 2.86e+021
 DP Multiplier (mV to Pa): 1.0000
 IP Multiplier (mV to kPa): 0.1000
 Use IV To Calculate Rg: No

Agilent GPC/SEC Software A.02.01 [9]

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