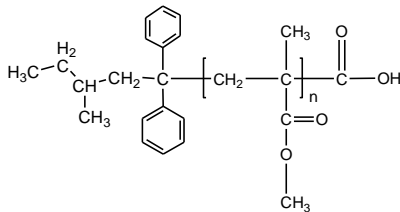


Sample Name:
Carboxy Terminated Poly(methyl methacrylate)

Sample #: **P41597-MMACOOH**

Structure:



Composition:

Mn x 10 ³	PDI
2.5	1.05
COOH functionality	98%
T _g for the functionalized polymer	78°C

Synthesis Procedure: By anionic process.

The polymer was prepared by anionic polymerization process.

Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector before the addition of the CO₂H function.

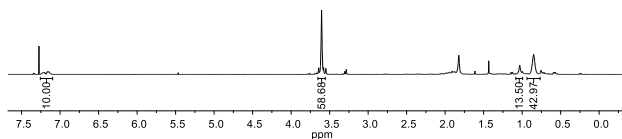
Thermal analysis:

Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) has been considered.

Solubility:

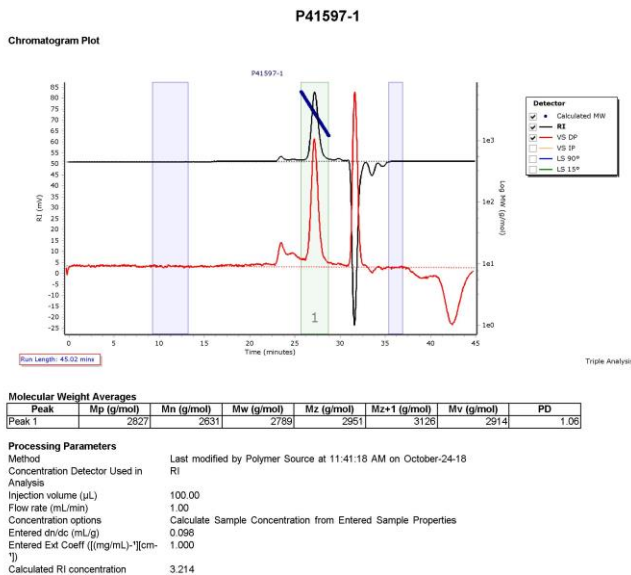
The polymer is soluble in THF, Toluene, chloroform and acetone etc.

HNMR spectrum of the Sample:



SEC elugram of the Sample:

Agilent GPC/SEC Software



DSC thermogram for the sample:

