

# Certificate of Analysis



Agilent Technologies, Inc. acquired Polymer Standards Service GmbH (PSS) on August 01<sup>st</sup>, 2022.

The Quality Certificate / Certificate of Analysis generated by PSS attached to this Letter is valid for the Product stated in the Certificate sold to You by Agilent Technologies, Inc or its subsidiaries.

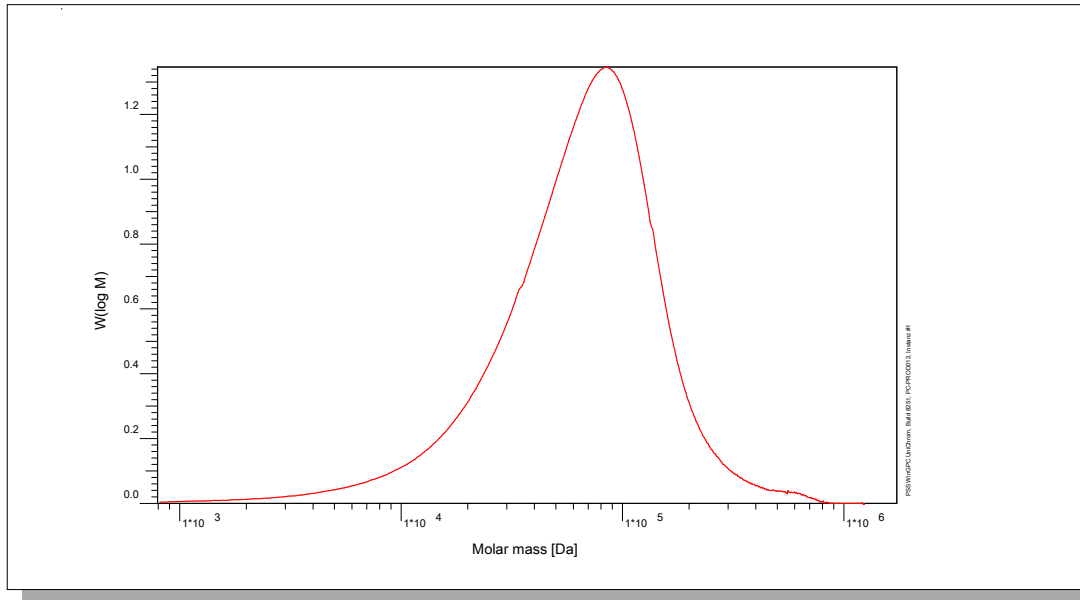
Patrick Kunzweiler

Quality Manager  
Liquid Phase Separation Division

# Certificate of Analysis

Polymer type: Poly(acrylic acid) sodium salt  
 Part No: PSS-PAA85K  
 Lot No: PAA6018

## Molar Mass Distribution



## GPC/SEC - Conditions

Sample concentration	1,00 g/l	Inject volume	50 µl
Flow rate	1,00 ml/min	Temperature	23 °C
Solvent	Water, 0.067M Na <sub>2</sub> HPO <sub>4</sub>		
Precolumn [8 x 50 mm]	PSS SUPREMA 10µm		
Columns [analytical, each 8 x 300 mm]	PSS SUPREMA 10µm 100Å / 3 000Å / 3 000Å		
Data Acquisition Software	PSS WinGPC	Operator	J.Preis

## GPC/SEC - Results

Detector	Mw [Da]	Mn [Da]	Mp [Da]	PDI [Mw/Mn]
PSS SECcurity RI	86200	42300	73600	2,04


**Note:**

Mw = Weight average molecular weight  
 Mn = Number average molecular weight  
 Mp = Molar mass at the peak maximum  
 PDI = Polydispersity Index

**Storage:** Store the tightly recapped polymer standard in a dry, dark, cool area; e.g. a refrigerator (4 °C).

**Date of expiry:** 2028/02/29 (See also product label)  
**Date of approval:** 2023/02/24

Manufacture control according to PSS method of analysis

  
 Dr. J. Preis  
 production manager

