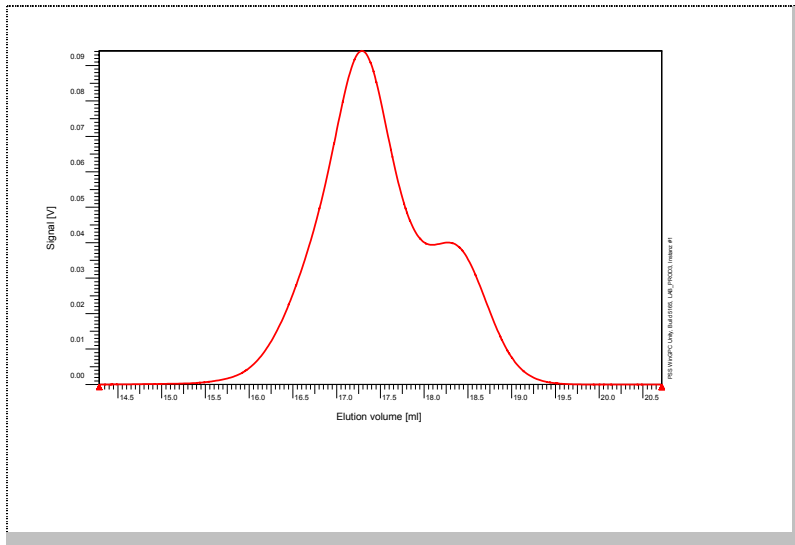


# Certificate of Analysis

Polymer type: Poly(butadiene-1.4-b-methacrylic acid) sodium salt  
 Part No: PSS-bdfpma6k  
 Lot No: bdtb10047-v

## Elugramm



## GPC/SEC – Conditions

Sample concentration	1,00 g/l	Inject volume	20 µl
Solvent	THF, Oxalic acid 1g/l	Flow rate	1.00 ml/min
Precolumn [8 x 50 mm]	PSS SDV 5µm		
Columns [analytical, each 8 x 300 mm]	PSS SDV 5µm 10e3Å / 10e5Å / 10e6Å		
Temperature	23 °C		
Data Acquisition Software	PSS WinGPC	Operator	R. Leinweber

## GPC/SEC – Results\*

Detector	Mn (total) [Da]	Mn (bdf) [Da]	Mn (pma) [Da]	PDI ([Mw/Mn])
Agilent RID	5090	1470	3620	1.38

\* molar mass calculation based on monomer consumption


### 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:** See product label.

*Manufacture and control according to PSS method of analysis*

  
 Dr. T. Hofe  
 production director