

CERTIFICATE OF ANALYSIS

Product Polystyrene High EasiVials (2ml)
 Part Numbers PL2010-0201, PL2010-0202
 Batch Number 0006727757

Vial Code	IV (dL/g)	Mw (g/mol) (Light Scattering)	Mn (g/mol)	Mw (g/mol)	Mw/Mn	Mp (g/mol)	Mass/vial (mg)
RED	7.0347	5,725,000	5,855,000	6,275,000	1.07	6,545,000	0.4
	1.1640	420,500	434,000	445,500	1.03	448,500	0.8
	0.1256	18,310	16,720	17,180	1.03	17,120	1.2
	0.0336	1,410	1,130	1,190	1.06	1,200	1.6
WHITE	4.5922	2,697,000	2,939,000	3,113,000	1.06	3,209,000	0.4
	0.6446	183,700	180,000	188,600	1.05	184,600	0.8
	0.0893	10,920	9,990	10,210	1.02	10,150	1.2
	0.0240	680	555	630	1.13	580	1.6
BLUE	2.0544	917,000	931,000	987,000	1.06	1,014,000	0.4
	0.3395	76,750	72,050	74,950	1.04	74,650	0.8
	0.0648	6,360	5,440	5,600	1.03	5,610	1.2
	-	-	-	-	1.00	162	1.6*

* Due to the volatile nature of this constituent weights may vary.

Mp, Mn & Mw are the respective peak, number and weight molecular weight averages.
 Mw/Mn = molecular weight distribution or polydispersity ratio.
 IV is the Intrinsic Viscosity value.

The above characterisation data has been measured according to our Quality Control procedures.
 Certificate of Analysis valid until expiry date: 2nd February 2028
 Agilent Manufacturing Site: Essex Road, Church Stretton, Shropshire, SY6 6AX, UK

Storage:

The polymers in each vial should be stored in a cool dark place when not in use. After preparation, the polymer solutions should be stored in a cool, dark place and used within 1 week.



P.C.Link



G.K.Harmer

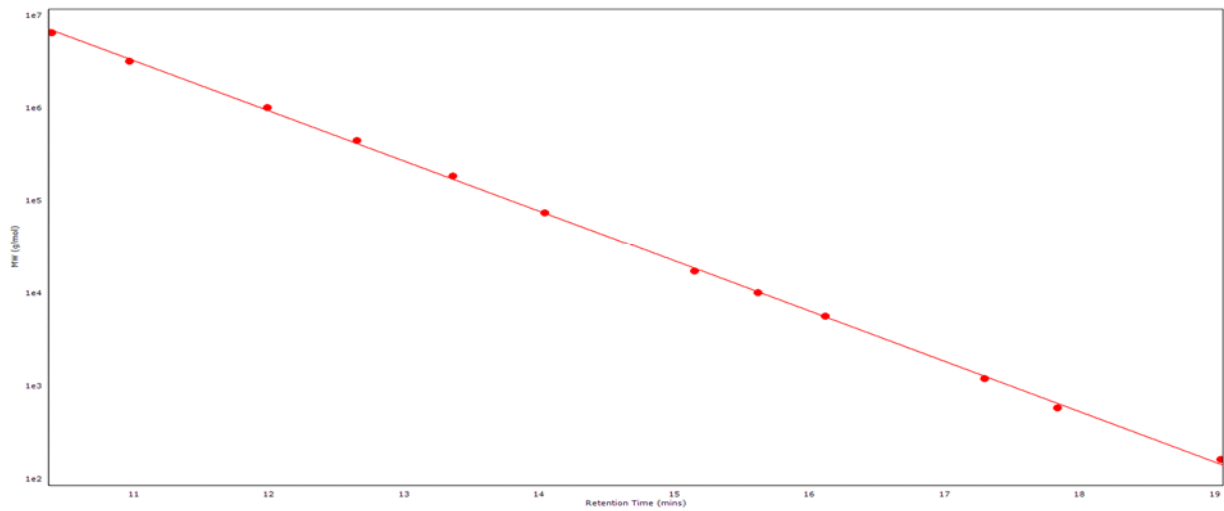
QC Department

Issue 1 13th February 2023

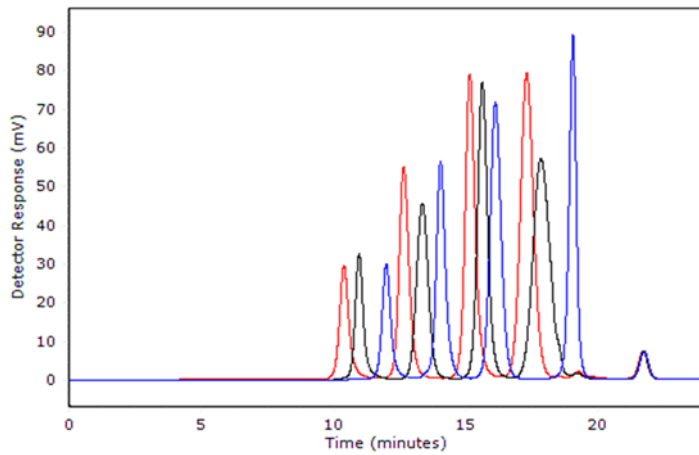
COA STANDARDS5-2 Rev 3.21

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GPC/SEC Calibration Curve



GPC/SEC PS High EasiVials Overlay



Calibration Details

System	Agilent GPC software
Detector	Ultra violet
Columns	2 x PLgel MIXED-B 10µm 300 x 7.5mm
Solvent	THF
Flow rate	1.0 ml / min
Injection volume	20µl
Sample concentration	1ml solvent / vial
Temperature	Ambient

