CERTIFICATE OF ANALYSIS

Product Polystyrene Medium EasiVials (2ml)

Part Numbers PL2010-0301, PL2010-0302, PL2010-0700

Batch Number 0006576418

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	1.0263	319,200	348,500	364,700	1.05	**364,000**	0.4
	0.2808	57,900	53,650	55,300	1.03	**56,600**	0.8
	0.0706	7,430	6,360	6,530	1.03	**6,540**	1.2
	0.0285	1,310	1,050	1,120	1.07	**1,120**	1.6
YELLOW	0.6758	192,400	186,800	192,900	1.03	**194,500**	0.4
	0.1805	30,940	28,490	29,160	1.02	**29,460**	0.8
	0.0465	3,450	2,740	2,850	1.04	**2,880**	1.2
	0.0210	447	387	447	1.15	**370**	1.6
GREEN	0.3943	91,750	87,950	89,900	1.02	**91,450**	0.4
	0.1051	13,810	12,770	13,030	1.02	**12,980**	0.8
	0.0294	1,440	1,140	1,210	1.07	**1,210**	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: 8th December 2025
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.

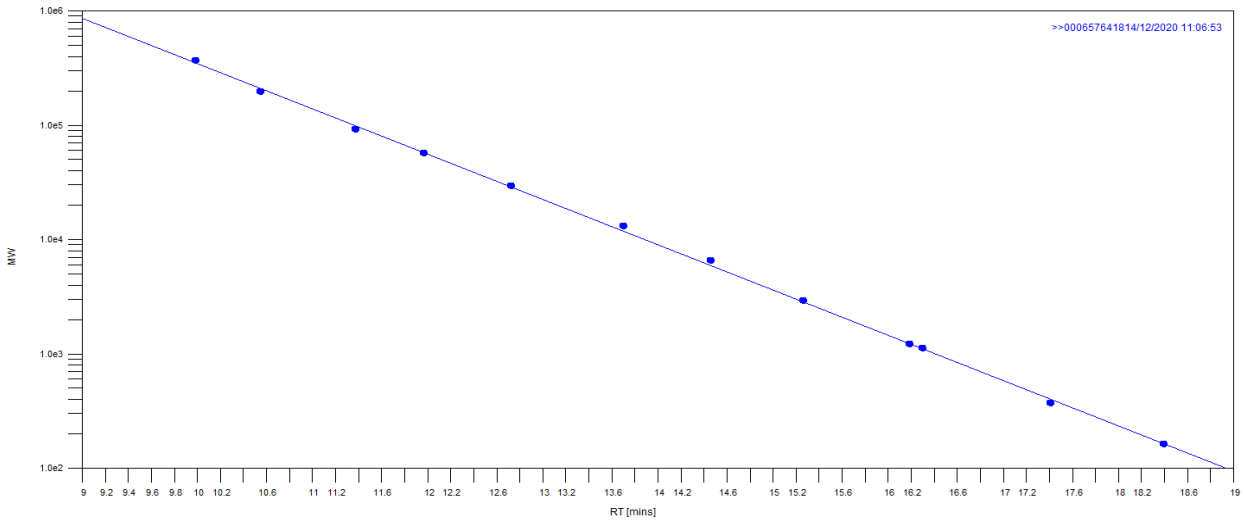
P.C.Link G.K.Harmer

Q.C. Department

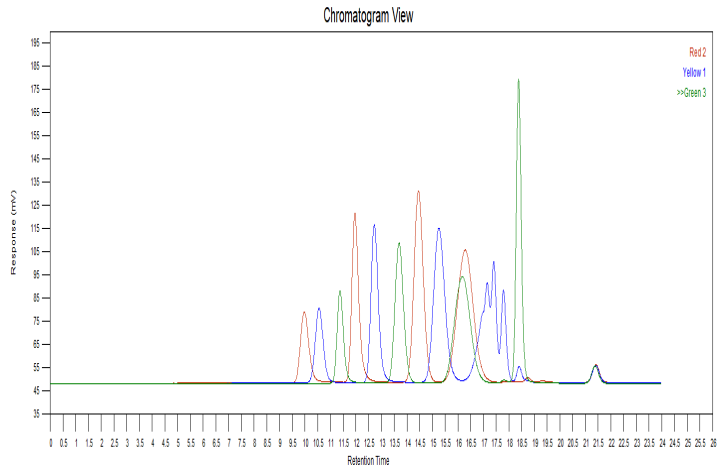
www.agilent.com

Agilent Technologies

GPC/SEC Calibration Curve



GPC/SEC EasiVials Overlay



Calibration Details

System	Cirrus GPC / SEC
Detector	Ultra Violet
Columns	2 x PLgel MIXED-D 5µm 300 x 7.5mm
Solvent	THF
Flow rate	1.0 ml / min
Injection volume	20µl
Sample concentration	1ml solvent / vial
Temperature	Ambient