CERTIFICATE OF ANALYSIS

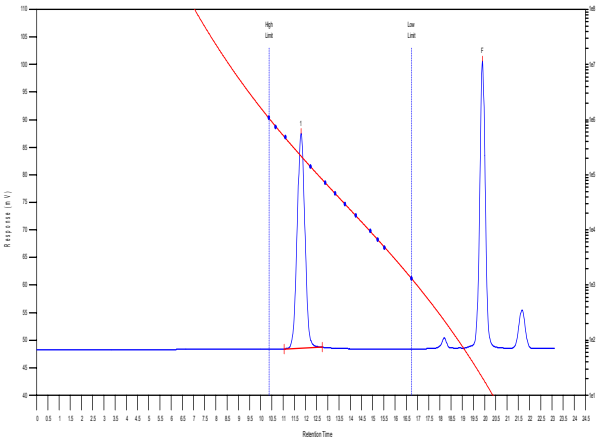
Product Polystyrene **Mp 217,900**

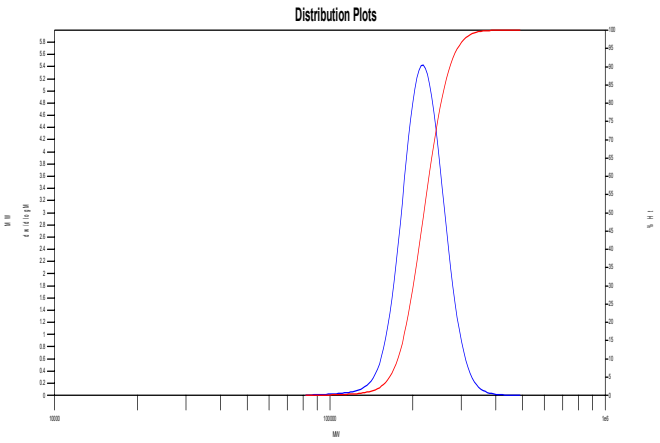
Batch Number 0006574367

Part Numbers PL2013-7001, PL2013-7005, PL2013-7010

	GPC	Light scattering	Viscometry
Mp (g/mol)	217,900		
Mn (g/mol)	212,600		
Mw (g/mol)	219,900	209,800	
Mv (g/mol)	218,900		
	Mw/Mn = 1.03		[η] = 0.7232 dl/g

Mp, Mn, Mw & Mv are the respective peak, number, weight and viscosity molecular weight averages
Mw/Mn = molecular weight distribution or polydispersity ratio [η] = Intrinsic viscosity





Analysis Conditions

	GPC	Light scattering	Viscometry
System	Cirrus GPC / SEC	Agilent 1260 GPC/SEC MDS	Agilent 1260 GPC/SEC MDS
Detector	Ultra violet	1260 Infinity Dual Angle LS	1260 Infinity Viscometer
Columns	2 x PLgel MIXED-C 5µm 300x7.5mm	PLgel 10µm MIXED-BLS 300x7.5mm	PLgel 10µm MIXED-BLS 300x7.5mm
Solvent	THF	THF	THF
Flow rate	1.0 ml / min	1.0 ml / min	1.0 ml / min
Injection volume	20µl	100µl	100µl
Sample concentration	0.05%	1.37920 mg / ml	1.37920 mg / ml
Temperature	Ambient	30°C	30°C
Calibrants	Polystyrene	Polystyrene	Polystyrene
Angle		90°	
dn/dc		0.185 g/ml	

The above characterisation data has been measured according to our Quality Control procedures.
Certificate of Analysis valid until expiry date – 30th November 2030
Agilent Manufacturing Site: Essex Road, Church Stretton, Shropshire, SY6 6AX, UK

M.Griffin G.K.Harmer

Quality Department

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