

## Certificate of Analysis

<b>BATCH NUMBER</b>	0006663674
<b>PRODUCT</b>	PL-Latex Carboxyl HiDye Red 400nm
<b>PART NUMBERS</b>	PL6104-6141, PL6104-6142, PL1111-9999
<b>POLYMER COMPOSITION</b>	Poly(styrene-co-methacrylic acid)
<b>SURFACE CHEMISTRY</b>	Carboxylated
<b>PRESERVATIVE</b>	0.02% Sodium Azide
<b>MANUFACTURING SITE</b>	Essex Road, Church Stretton, Shropshire, SY6 6AX, UK

	Specification	Result	Protocol
<b>PARTICLE SIZE (From Base Material)</b>			
Mean (nm)	375 - 425	392	<b>LATEX001</b>
Standard Deviation	≤ 7.0%	5.6	
<b>GRAVIMETRIC ANALYSIS</b>			
Solids Content (wt/wt%)	9.8 - 10.2	10.1	<b>CD 003</b>
<b>SURFACE CHARACTERISATION</b>			
Charge Density (µeq/g) <i>(Taken from base material)</i>	To be measured	31	<b>LATEX005</b>
Parking Area (Å <sup>2</sup> ) <i>(Taken from base material)</i>	To be measured	78	
<b>COLOUR ANALYSIS</b>			
Munsell Hue	2.2R - 3.8R	3.1R	<b>LATEX004</b>
Munsell Value	3.4 - 4.4	3.8	
Munsell Chroma	11.5 - 12.5	12.0	

**RECOMMENDED STORAGE** Store at 2-8°C

**DATE OF MANUFACTURE** 14th February 2022

**EXPIRY DATE** 13th February 2027

We, Agilent Technologies certify that this product does not contain or use raw or source materials or reagents derived from animals or humans during the manufacturing process. Furthermore Agilent Technologies is committed to taking suitable action in order to exclude any contamination with animal or human materials during production / shipping.

I certify that this material meets the required specification



M.Griffin



P.C.Link

QC Department

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COA SPECLATEX2 Rev 1.00