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R & D Certificate of Analysis

Product Name : Poly ϵ -caprolactone (PCL)
Product Code : Viatel™ C 18 E
Lot / Batch Number : 0002653852

Characteristic	Test Method	Specification	Result
Appearance	Visual inspection	White to light brown solid granules, powder, flake or other suitable form as agreed with the customer	White granules
Molar Mass (Inherent Viscosity)	Ubbelohde capillary viscometry (0.1 g/dl, 25 °C, CHCl ₃) As per USP <911> Method 1	1.6 – 2.0 dl/g	1.64 dl/g
Chemical Identification	¹ H-NMR Spectroscopy As per USP <761>	Conforms to ¹ H-NMR reference spectrum	Conforms
Residual Monomer Content		≤ 3 %wt. ϵ -caprolactone	0.79 %
Solubility	Dissolution in CHCl ₃ , DCM at 15 – 30 °C	Clear homogenous solution	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>

NOTE: This Product is repackaged for sale as an R & D grade material.

Name: Asma Tahir

Signature:  Asma Tahir

Position: Quality Manager or Designate

Date: 18 AUG 2023