




FINISHED PRODUCT SPECIFICATIONS

<u>TEST</u>	<u>SPECIFICATION</u>
Identification	To Pass Test
Appearance	Off white to light yellow powder
Loss on Drying:	NMT 10.0%
Free Inorganic Sulphate	NMT 0.2%
Residue on Ignition	35% - 50%
Total Sulphur Content	17.0% - 20.0%
Glucose Content	35% - 48%
Specific Viscosity (In 1.0M NaCl at 25°C)	0.018 - 0.032
pH (1% solution)	5.0 to 7.5
Specific Rotation $[\alpha]_D^{20}$	+75° to +105°
Insoluble Iron	NMT 2.0%
Residual Pyridine	NMT 2.0%
Clarity (20% solution)	
Absorbance at 360 nm	NMT 0.9 OD unit
Black Speck/100 ml	NMT 10
Chloride Content	NMT 1000 ppm

Written By: <i>GG</i>	Title: Analytical Chemist	Date: April 27, 2021
Revised By: <i>M</i>	Title: QC Manager	Date: April 27, 2021
Approved By: <i>Ctm</i>	Title: QA Manager	Date: April 27, 2021

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Free Inorganic Sulphate	NMT 0.2%
Residue on Ignition	35% - 50%
Total Sulphur Content	17.0% - 20.0%
Glucose Content	35% - 48%
Specific Viscosity (In 1.0M NaCl at 25°C)	0.05 - 0.13
pH (1% solution)	5.0 to 7.5
Specific Rotation $[\alpha]_D^{20}$	+75° to +105°
Insoluble Iron	NMT 2.0%
Residual Pyridine	NMT 2.0%
Clarity (20% solution)	
Absorbance at 360 nm	NMT 0.9 OD unit
Black Speck/100 ml	NMT 10
Chloride Content	NMT 1000 ppm

Written By: 	Title: Analytical Chemist	Date: April 27, 2021
Revised By: 	Title: QC Manager	Date: April 27, 2021
Approved By: 	Title: QA Manager	Date: April 27, 2021

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<u>TEST</u>	<u>SPECIFICATION</u>
Identification	To Pass Test
Appearance	Off white to light yellow powder
Loss on Drying:	NMT 10.0%
Free Inorganic Sulphate	NMT 0.2%
Residue on Ignition	40% - 50%
Total Sulphur Content	17.0% - 20.0%
Glucose Content	35% - 48%
Specific Viscosity (In 1.0M NaCl at 25°C)	0.10 - 0.70
pH (1% solution)	5.0 to 7.5
Specific Rotation $[\alpha]_D^{20}$	+75° to +105°
Insoluble Iron	NMT 2.0%
Residual Pyridine	NMT 2.0%
Clarity (20% solution)	
Absorbance at 360 nm	NMT 0.9 OD unit
Black Speck/100 ml	NMT 10
Chloride Content	NMT 1000 ppm

Written By: <i>GB</i>	Title: Analytical Chemist	Date: April 27, 2021
Revised By: <i>M</i>	Title: QC Manager	Date: April 27, 2021
Approved By: <i>Gfurd</i>	Title: QA Manager	Date: April 27, 2021