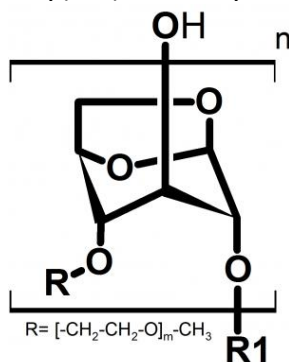


Certificate of Analysis

Product Name T1-25
Lot Number 443
Product Number T012501020300
Product Brand poly(2,3)Glucose™
Molecular Structure Poly(2-3)-1,6-anhydro-4-O-((CH₂-CH₂-O)_n-CH₃)-β-D-glucopyranose



Test	Specification	Lot 443 Result
Sterility	Sterile filtration (0.22 μm)/ Class 100 environment	Conforms
Contents weight	250 mg ± 5%	263 mg ± 0.5%
Molecular weight	35 ≤ M _n ≤ 50 kDa; M _n /M _w ≤ 1.1	M _n = 48 kDa; M _n /M _w = 1.06
Appearance	Snow white lyo cake mass, easy to crush, soluble in water, PBS and THF at 25° C	Conforms
Dissolution	The lyophilized cake forms colorless 1, 2, 5, 10 and 15 % solutions in phosphate buffered saline, pH 7.4, in less than 8 hrs at +4° C	≤ 3 hours dissolution time
Gel Temperature <u>Conc, w/w %</u>	<u>Tgel, °C</u>	<u>Tgel, °C</u>
15	25.0 ± 5%	25.0 ± 0.5
10	27.0 ± 5%	27.0 ± 0.5
5	27.5 ± 5%	27.5 ± 0.5
2	28.0 ± 5%	28.0 ± 0.5
1	29.5 ± 5%	29.5 ± 0.5
Injection Test	100 μL injection of 10% w/w solution into 1 mL of 37 °C PBS results in a spheroidal depot	Conforms
Specific Rotation	-66 to -85 deg, C=1.0%, PBS, 22° C	-73 deg, C=1.0%, PBS, 22° C