

Certificate of Analysis

Product Name Dextran 70,000, EP grade
Glentham Code GE0761
CAS Number 9004-54-0
EINECS 232-677-5
MDL Number MFCD00130935
Batch Number 288EJW

Molecular Weight ~70,000
Molecular Formula $[C_6H_{10}O_5]_n$
Storage Temp. +20°C



Property	Specification	Batch 288EJW
Physical Description	White or almost white powder	White powder
Solubility	Very soluble in water, very slightly soluble in ethanol	Conforms
Specific Optical Rotation	+195 - +201 °	+196°
Identification (IR)	To conform to standard	Conforms
Average Molecular Weight	64,000 - 76,000	67974
Molecular Mass Distribution	M10: ≤ 185,000, M90: ≥ 15,000	Conforms
Solubility (10% in water)	Clear, colourless solution	Clear, colourless solution
Solubility (33% in water)	Clear, colourless, viscous solution	Clear, colourless, viscous solution
Acidity or Alkalinity	To pass EP test	Conforms
Nitrogen Containing Substances	≤ 110ppm	≤ 110ppm
Ethanol	≤ 0.5%	0.004%
Methanol	≤ 0.05%	0.0006%
Other Residual Solvents	≤ 0.5%	0.5%
Heavy Metals	≤ 10ppm	Conforms
Loss on Drying	≤ 7.0%	5.8%
Sulphated Ash	≤ 0.3%	0.02%
Bacterial Endotoxins	≤ 16IU/g	<10IU/g
Total Aerobic Microbial Count	≤ 100CFU/g	<10CFU/g
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version v1.0
Manufacture Date 2023-10-20
Re-Test Date 2031-10-17

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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