

Product Specification

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

Molecular Weight : ~70,000
Molecular Formula : [C₆H₁₀O₅]_n
Storage Temp. : +20°C

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

Specification Version : v1.0
Date Created : 2017-02-14

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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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