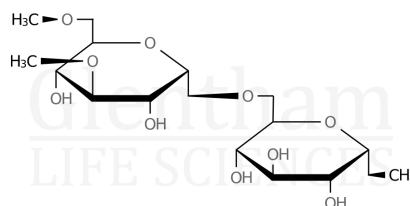


Certificate of Analysis

Product Name	Dextran 40,000, EP grade
Glentham Code	GE6554
CAS Number	9004-54-0
EINECS	232-677-5
MDL Number	MFCD00130935
Batch Number	359EXE
Molecular Weight	~40,000
Molecular Formula	$[C_6H_{10}O_5]_n$
Storage Temp.	+20°C



Property	Specification	Batch 359EXE
Physical Description	White or almost white powder	White powder
Solubility	Very soluble in water, very slightly soluble in ethanol	Very soluble in water, very slightly soluble in ethanol
Specific Optical Rotation	+195 - +201 °	+195 °
Identification (IR)	To conform to standard	Conforms
Average Molecular Weight	35,000 - 45,000	37,600
Molecular Mass Distribution	M10: ≤ 110,000, M90: ≥ 7,000	M10: 101,000, M90: 8,500
Acidity or Alkalinity	To pass EP test	Conforms
Nitrogen Containing Substances	≤ 110ppm	Conforms
Ethanol	≤ 0.5%	Conforms
Methanol	≤ 0.05%	Conforms
Other Residual Solvents	≤ 0.5%	Conforms
Heavy Metals	≤ 10ppm	Conforms
Loss on Drying	≤ 7.0%	3.9%
Sulphated Ash	≤ 0.3%	0.07%
Bacterial Endotoxins	≤ 10IU/g	< 5IU/g
Total Aerobic Microbial Count	≤ 100CFU/g	< 10CFU/g
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version	v1.0
Manufacture Date	2022-02-17
Re-Test Date	2030-05-05

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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