

## Batch Release Certificate

Product name: Dextran 20 Ultra

Specification No.: 50011

Batch No.: XXXXXX

Manufacturing sites: Pharmacosmos A/S, Roervangsvej 30, DK-4300 Holbaek, Denmark  
DKMA\* No.: 254629  
GMP certificate No.: N/A  
FDA establishment No.: N/A  
FDA facility classification: N/A  
EDQM\* certificate No.: N/A

Method:	Parameter:	Results of analysis:	Limits:
–	Description:	Complies	White or almost white
DF001	Loss on drying (105°C, 5h), % w/w:	x.x	** ≤7.0
DF030	Absorbance (at 375 nm, 10% sol., 1 cm)	x.xx	≤0.12
DF009	Specific rotation, (+/-) °:	+x	+191 – +201
DF019	Nitrogen, ppm:	x	<110
LI030-1	Average molecular mass, Mw:	x,xxx	17,000 – 23,000
LI030-1	Mw/Mn:	x.x	≤1.5
DF007	Sulphated ash, % w/w:	x.x	≤0.3
DF022	Microbial contamination, cfu/g:	Complies	≤100

\*) EDQM refers to 'European Directorate for the Quality of Medicines and Healthcare'. DKMA refers to 'Danish Health and Medicines Authority'

\*\*) Due to the hygroscopic nature of the powder, loss on drying may change during storage. We recommend keeping container well closed and protected against moisture.

I hereby certify that the above information is authentic and accurate. This batch of technical quality dextran has been manufactured, including packaging and quality control in full compliance with the above mentioned specifications.

Date (dd.mm.yyyy):

Heidi Skjødt Andersen, M.Sc. Pharm, Quality Control