

Batch Release Certificate

Product name: Dextran 40 EP/USP

Specification No.: 40002

Batch No.: xxxxxx
Manufacturing date: mmmm_yyyy
Retest date (5 years): mmmm_yyyyManufacturing sites: Pharmacosmos A/S, Roervangsvej 30, DK-4300 Holbaek, Denmark
DKMA No.: 254629
GMP certificate No.: DK API-H 10001351, DK API-V 10001349
FDA establishment No.: FEI 3002807874
FDA facility classification: Acceptable
EDQM certificate No.: R1-CEP 1999-063-Rev 03

Method:	Parameter:	Results of analysis:	Limits:
Visual	Appearance of powder:	Complies	White or almost white powder
EP/USP	Identification A: Infrared Absorption:	Complies	* Absorption maxima corresponds with Dextran 40 RS
USP	Identification B: Viscosity, intrinsic, mL/g:	x	18 – 23
	Identification C: Meets the requirements of the tests for MW distribution and Weight and Number Average Molecular Weight:	Complies	Complies
USP	Color of solution (Absorbance at 375 nm, 10% sol., 4 cm):	x.xx	≤0.20
EP	Appearance of solution:	Complies	Clear and colorless
EP	Acidity or Alkalinity:	Complies	Complies
USP	pH (10% solution):	x.x	4.5 – 7.0
EP	Specific rotation, (+/-) °:	+x	+195 – +201
USP	Specific rotation, (+/-) °:	+x	+195 – +203
EP/USP	Average molecular mass, Mw:	x,xxx	35,000 – 45,000
EP/USP	Mw of 10% high fraction:	x,xxx	≤110,000
EP/USP	Mw of 10% low fraction:	x,xxx	≥7,000
USP	Mw/Mn:	x.x	1.4 – 1.9
USP	Mn:	x,xxx	16,000 – 30,000
USP	Nitrogen containing impurities, ppm N:	x	▣ ≤100
EP	Nitrogen containing impurities, ppm N:	x	▣ ≤110
USP	Alcohol and related impurities:	Complies	* Complies
EP	Residual solvent, % by GC:	Complies	** Complies
USP	Sulfate, % w/w:	Complies	≤0.03
EP	Sulphated ash, % w/w:	x.x	≤0.3
EP	Loss on drying (105°C, 5h), % w/w:	x.x	≤7.0
USP	Loss on drying (105°C, 5h), % w/w:	x.x	≤7.0
EP	Bacterial endotoxins, IU/g:	x	▣▣ <10
USP	Bacterial endotoxins (10% sol.) EU/ml:	x.x	≤1.0
EP	Microbial contamination (TAMC), cfu/g:	Complies	≤100

References to official monographs are to be considered as current editions.
present.*) Test is not carried out routinely.
product.

▣) Determined by sulfuric acid digestion (Kjeldahl), a slightly modified compendial method.

▣▣) Determined by turbidimetric kinetic method.

CERTIFICATE OF CONFORMITY

I hereby certify that the above information is authentic and accurate. This batch of Active Pharmaceutical Ingredient has been manufactured, including packaging and quality control at the above mentioned site in full compliance with the GMP requirements for active starting materials and with the above mentioned specifications. The batch processing, packaging and analysis records were reviewed and found to be in compliance with GMP.

Date (dd.mm.yyyy):

Qualified Person, Heidi Skjødt Andersen, M.Sc. Pharm

Valid from: 01-05-2026
Replaces: 01-01-2026

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