

## Product Specification

Product Name: Dextran 40

Source:

Synonym: poly-alpha-D-glucopyranose

Item Nr.: 1072 MW: ~40 000 g/mol (C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>)~240

CAS Nr.: 9004-54-0 E.C.Nr.: EINECS: 232-677-5

Parameter	Method	Specification	Unit
Appearance	visual	almost white powder	
Solubility	2% in H <sub>2</sub> O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Heavy metals		<10.0	ppm
Loss on drying	~105°C, 5h	<7.0	%
Bacterial endotoxins		≤10	I.U./g
Microbiological test	Total count	<100	CFU/g
Molecular mass distribution	10% high fraction	<110 000	
Molecular mass distribution	10% low fraction	>7 000	
Nitrogen-Containing Substances	Titration w/ 0.01M HCl	≤110	ppm N
Optical rotation	[α] <sub>20D</sub>	195 - 201	°
pH	2% in H <sub>2</sub> O, 25°C	4.5 - 7.0	
Residual solvents	GC	<0.5	%
Sulfated ash		<0.3	%

Storage: Keep well closed at room temperature in a dark and dry place.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 03/20.08.2020