

## Certificate of Analysis

Product Name:

**Dextran 270, Analytical Standard for Gel Permeation Chromatography (GPC),  
(Mw = 2,70,000)**

Product No.: PSR50022  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 9004-54-0  
Molecular Formula: (C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>)<sub>n</sub>  
  
Mn ~1,65,000  
Molecular Weight: Mp ~1,95,000  
Mw ~2,70,000  
  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	White powder	White powder
Suitable for Gel permeation chromatography (GPC)	Conforms	Conforms
Molecular number (Mn)	~1,65,000	1,64,200
Mean Peak Molecular weight (Mp)	~1,95,000	1,96,300
Average Molecular weight (Mw)	~2,70,000	2,73,000
Polydispersity index (Mw / Mn)	~1.64	1.66
Identification (By IR)	Conforms to structure	Conforms
Intrinsic viscosity (at 25°C)	44.1 – 53.9 mL/g	49.4 mL/g

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.  
For queries on this COA, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)

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**Remarks:**

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at [www.pure-synth.com](http://www.pure-synth.com)

Inspect on receipt

Uncertainty in molecular weight measurements is +/-5.0%

**Storage Condition:**

Store at room temperature, away from humidity and keep the container tightly closed.

PureSynth Research Chemicals GmbH

*This is electronically-generated copy & is valid without a signature*

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