

Certificate of Analysis

Product Name:

**Dextran 50, Analytical Standard for Gel Permeation Chromatography (GPC),
(Mw = 50,000)**

Product No.: PSR50005
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 9004-54-0
Molecular Formula: (C₆H₁₀O₅)_n

Mn ~35,000
Molecular Weight: Mp ~45,000
Mw ~50,000

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)	~35,000	35,600
Mean Peak Molecular weight (Mp)	~45,000	43,500
Average Molecular weight (Mw)	~50,000	48,600
Polydispersity index (Mw / Mn)	~1.43	1.36
Identification (By IR)	Conforms to structure	Conforms
Intrinsic viscosity (at 25°C)	20.7 – 25.3 mL/g	23.0 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

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

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

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