



SIMACRON
ADVANCED MATERIALS

Guangzhou Ximeikang Biotechnology Co., Ltd.

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CERTIFICATE OF ANALYSIS (COA)

Product Name: Dextran 40

Grade: Research / Reagent Grade

CAS No.: 9004-54-0

Packaging: 25 kg / Drum

Batch Quantity: 1000 kg

Analytical Results

Item	Specification	Result
Appearance	White to off-white powder	Conforms
Specific Rotation	+190° to +200°	+195°
Identification	Positive	Conforms
Loss on Drying	≤ 5.0%	3.4%
Residue on Ignition	≤ 0.5%	0.3%
Heavy Metals	≤ 8 ppm	Conforms
pH (10% solution)	4.5 – 7.0	6.0
Weight Average Molecular Weight	32,000 – 42,000	36,051

SIMACRON Advanced Materials
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High Molecular Fraction (Top 10%)	$\leq 120,000$	93,336
Low Molecular Fraction (Bottom 10%)	$\geq 5,000$	6,707

Conclusion

This batch complies with the internal quality requirements and conforms to the relevant specifications for Dextran 40.

Notes

- Molecular weight distribution determined according to internal quality control procedures.
 - Product intended for laboratory, industrial, and research applications.
 - Not intended for direct pharmaceutical or injectable use unless otherwise specified.
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Reference Source

Based on the manufacturer's internal testing records.