

DEXTRAN PRODUCTS

DEXTRAN POWDER LOW MOLECULAR WEIGHT

CAS #: 9004-54-0

Formula: $[C_6H_{10}O_5]_n$ **DPLM-5201****BIO ULTRA GRADE**

ANALYSIS	SPECIFICATIONS
Appearance	White to Slightly Off-White Powder
Ash Content	NMT 2.0%
Cold Water Solubility (1% Solution)	Soluble in Cold Water
Colour of Solution at 375nm (10% Solution)	NMT 0.12 OD Units
Intrinsic Viscosity at 37°C (1% Solution)	0.037 to 0.055
Loss on Drying	NMT 7.0%
pH (10% Solution)	4.5 – 7.0
Specific Rotation $[\alpha]^{20}_D$ (2% Solution)	NLT +140°
Weight Average Molecular Weight by GPC	NMT 4000 Da

Suitable for use in industrial applications.

Dextran Powder, Low Molecular Weight, is a glucose polymer made by the fermentation of sugar by a specific bacterium. It is defined as a “branched poly- α -d-glucoside” having predominant C-1 to C-6 bonds. Dextran polymers are freely soluble in water and other solvents. Dextran polymer is biodegradable and biocompatible and has a wide range of industrial applications in food, flavor, fragrance, Life Science and other applications. Our Dextran Powders are produced, refined and purified at our facility in Scarborough, Ontario, Canada.

Standard Shelf-Life Policy

Please see CoA for product expiry.

Storage and Shipping Conditions

Refer to SDS.

Package Sizes

100g, 500g, 1kg, 5kg, 10kg, 25kg, 50kg

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