

DEXTRAN POWDER, MW 10,000

GMP, Excipient

CAS #: 9004-54-0

Formula: $[C_6H_{10}O_5]_n$

M.W.: 10,000

D010-3201

BIO EXCIPIENT GRADE

ANALYSIS	SPECIFICATIONS
Appearance and Color	White to Slightly Off-White Powder
Chloride	$\leq 1\%$
Cold Water Solubility (1%)	Passes Test
Absorbance (10%) 375 nm	≤ 0.20 OD Unit
Heavy Metals (Pb)	≤ 20 ppm
Intrinsic Viscosity (1%), 37°C	0.08 – 0.11
Loss on Drying	$\leq 7.0\%$
pH (10%)	4.5 – 7.0
Residue on Ignition	$\leq 2.0\%$
Specific Rotation (2%), 20°C	$\geq +148^\circ$

General Product Overview

Excipient Grade Dextran Powder, MW 10,000, is a more refined and purified form of hydrolyzed, higher-molecular-weight Dextran polymer powder. Dextran Powder, MW 10,000 is a glucose polymer made by the fermentation of sugar by a specific bacteria. 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, biodegradable and biocompatible, and have a wide range of applications in the Life Sciences.

Industry Application

Suitable for use as a cGMP chemical in pharmaceutical manufacturing processes and products.

Key Product Features

- Our Dextran Powders are produced, refined and purified at our facility in Scarborough, Ontario, Canada, and then further purified at our FDA registered, cGMP plant in Bangor, PA, USA.
- Appears as a white to slightly off-white powder
- Manufactured in accordance with ICH Q7
- Manufactured in an enzyme free, hormone free and animal free environment
- Contains no known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: 2,3,4,5-tetrahydroxy-6-[3,4,5-trihydroxy-6-[[3,4,5-trihydroxy-6-(hydroxymethyl) oxan-2-yl] oxymethyl] oxan-2-yl] oxyhexanal

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf Life Policy

Unless otherwise noted on the Shelf-Life Statement and CoA, this product has a 2-year retest date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Package Sizes

1kg, 5kg, 10kg, 25kg and 50kg

[Click here to view SDS, CoAs and other supporting regulatory documents on our website.](#)

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