

# DEXTRAN POWDER, MW 10,000

## GMP, Excipient Grade

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	$\leq 0.20$ OD Unit
Heavy Metals (Pb)	$\leq 20$ 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, 10,000 MW, 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 the bacteria *Leuconostoc Mesenteroides*. It is defined as a “branched poly- $\alpha$ -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 under cGMP 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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