

# DEXTRAN PRODUCTS

## DEXTRAN POWDER M.W. 70,000

CAS #: 9004-54-0

Formula:  $[C_6H_{10}O_5]_n$ **D070-5201****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              |
| Color of Solution at 375nm (6% Solution)          | NMT 0.15 OD Units                  |
| Intrinsic Viscosity at 37°C (1% Solution)         | 0.22 to 0.27                       |
| Loss on Drying                                    | NMT 7.0%                           |
| pH (6% Solution)                                  | 4.5 – 7.0                          |
| Specific Rotation $[\alpha]^{20}_D$ (2% Solution) | +195° - +203°                      |

### Standard Shelf Life Policy

Standard shelf life is 5-year expiry.

### Storage and Shipping Conditions

Refer to SDS.

### Standard Lead Time

Based on inventory – please inquire.

### Package Sizes

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

### Country of Origin: Canada

### Intended for use in industrial applications such as R&D, laboratory, food, flavor, fragrance and life science.

Dextran Powder, M.W. 70,000 is a glucose polymer made by the fermentation of sugar by the a specific bacteria. 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. 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.

### General Product Description

- Appears as a white to slightly off-white powder
- Has no major food allergens (as defined by FDA and WHO).
- The final product nor 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
- Visit the product page on our website ([www.dextran.ca](http://www.dextran.ca)) for additional information, supporting regulatory documents, and CoAs.

*This is not considered a controlled document. We are not responsible for any errors or omissions.*