

CERTIFICATE OF ANALYSIS

Product Description	CARRAGEENAN, HIGH CLARITY KAPPA TYPE
Product Number	C2000
Lot Number	HHY2000023
Storage Temperature	Room Temperature
CAS Number	9000-07-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water Heated to Boiling	Passes
pH (10.00 g/L)	Under Development	8.9
Physical Appearance Color*	2152-70 to 2158-70, 2152-60 to 2158 -60	2153-60 Light Tan Fine Powder
Texture	Fine Powder	
Solution Appearance After Heating Clarity Color	Clear Slight Yellow Tint	Clear Slight Yellow Tint
Insolubles	None	Passes
Gel Strength	Minimum 800 g/cm ²	1024 g/cm ²
Gel Formation	Forms Gel When Suspended in Appropriate Solvent and Heated to Boiling	Passes
Compression Break Force Test	Force Gauge Measurement (g/cm ²) For Information Only	186.8 g/cm ²

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	Coreopsis	Passes
	Tobacco Callus	Passes

The material described in this certificate was manufactured in the United States of America and is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 26-April-2021

Recommended Shelf Life Date: April 2029



David S. Hart
Technical Services Manager

PhytoTech Labs Inc.
14610 W 106TH St. Lenexa, KS 66215
Phone: 1-888-749-8682 or 1-913-341-5343
Fax: 1-888-449-8682 or 1-913-341-5442
Phytotechlab.com