

CERTIFICATE OF ANALYSIS

Product Description CARRAGEENAN, HIGH CLARITY
KAPPA TYPE
Product Number C2000
Lot Number HGT2000027
Storage Temperature Room Temperature
CAS Number 9000-07-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Fully Dissolved in Water Post-Autoclaving for a Minimum of 15 min	Passes
pH (10.00 g/L)	Under Development	8.0
Physical Appearance Color* Texture	2148-70 to 2154-70, 2151-60 to 2154-60 Fine Powder	2148-70 Off White 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	1181 g/cm ²
Gel Formation	Forms Gel Following Autoclaving for a Minimum of 15 min	Passes
Compression Break Force Test	Force Gauge Measurement (For Information Only)	166.0 g/cm ²

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

Biological Testing:

Test Concentration: 10.00 g/L


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	Parrot Feather	Passes
	Xanthi Tobacco Callus	Passes

The material described in this certificate 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: 16-September-2025

Recommended Shelf-Life Date: September 2033

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