

CERTIFICATE OF ANALYSIS

Product Description CARRAGEENAN, HIGH CLARITY
KAPPA TYPE
Product Number C2000
Lot Number HXT2000026
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 | 8.1 |
| Physical Appearance Color* Texture | 2148-70 to 2154-70, 2151-60 to 2154-60 Fine Powder | 2148-70 Cream 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 | 1369 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) | 164.0 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: 08-September-2025

Recommended Shelf-Life Date: September 2033

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