

# CERTIFICATE OF ANALYSIS

Product Description CARRAGEENAN  
GELCARIN GP 812®; IRISH MOSS  
Product Number C257  
Lot Number HYG0257030  
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)	6.7 – 9.8	9.8
Physical Appearance Color* Texture	AC-4, HC-3, HC-32, HC-39, or HC-174 Fine Powder	HC-32 Cream Beige Fine Powder
Solution Appearance After Heating Clarity Color	Clear to Hazy Tan to Light Brown Tint	Clear Tan
Insolubles	None to Fine	Passes- Fine
Gel Formation	Forms Gel When Suspended in Appropriate Solvent and Heated to Boiling	Passes
Gel Strength	Minimum 750 g/cm <sup>2</sup>	823 g/cm <sup>2</sup>

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

## Biological Specifications:


Test Concentration: 10.0 g/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product is commonly used as a means of support in plant tissue culture. It is tested with two or more plant cell lines to ensure proper gelling and that there are no phytotoxic impurities that would cause morphological aberrations in plants.	Parrot Feather	Passes
	Xanthi Tobacco Callus	Passes

The material described in this certificate is derived from marine algae (seaweed). No animal-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: 11-March-2026  
Recommended Shelf-Life Date: March 2034

Prepared by:   
Alex Lambert  
Lead Quality Control Laboratory Technician