

CERTIFICATE OF ANALYSIS

Product Description	CARRAGEENAN GELCARIN GP 812® ; IRISH MOSS
Product Number	C257
Lot Number	14D0257019
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	9.3
Physical Appearance Color* Texture	AC-4, HC-3, HC-32, HC-39, or HC-174 Fine Powder	AC-4 Tan Fine Powder
Solution Appearance After Heating Clarity Color	Clear to Hazy Tan to Light Brown Tint	Hazy Tan Tint
Insolubles	None to Fine	Passes--Fine
Moisture %	For Information Only	3.7%
Gel Formation	Forms Gel When Suspended in Appropriate Solvent and Heated to Boiling	Passes

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

Biological Specifications:

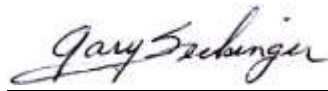
Test Concentration: 10.0 g/L

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.	Cape Primrose	Passes
	Hosta	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.

PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® 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.

Recommended Shelf Life Date: April 2022



Gary Seckinger, Ph.D.



PhytoTechnology
Laboratories®
Dedicated to Growth

PhytoTechnology Laboratories®

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at <http://www.phytotechlab.com>



Created on 21 May 2014 DS