

CERTIFICATE OF ANALYSIS

Product Description GELZAN™
 Product Number G3251
 Lot Number 15K3251048
 Storage Temperature Room Temperature
 CAS Number 71010-52-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Partially Soluble to Soluble in Water Heated to Boiling	Passes
pH (2.00 g/L)	4.0 – 6.5	5.3
Physical Appearance		
Color*	2143-70 to 2154-70 or PM-1 to PM-3, PM-19	2153-70 Light Tan
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance After Heating in Water		
Clarity	Clear to Slightly Hazy	Clear
Color	Colorless to Slight Yellow Tint	Colorless
Insolubles	None to Slight	Passes-None
Gel Strength	Minimum 400 g/cm ²	503 g/cm ²
Transmittance	Minimum 85%	91%
Loss on Drying	For Information Only	6.3%
Gel Formation	Forms Gel When Suspended in Medium and Autoclaved	Passes

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

Biological Testing:

Test Concentration: 2.0 g/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product is commonly used as a means of support in plant tissue culture. This product is tested with two or more plant cell lines to ensure proper gelling and that no phytotoxic impurities are present that would produce abnormal morphological plant development.	Coreopsis	Passes
	Tobacco Callus	Passes

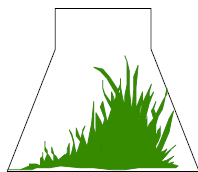
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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: August 2023



Gary Seckinger, Ph.D.



PhytoTechnology
Laboratories®
Dedicated to Growth

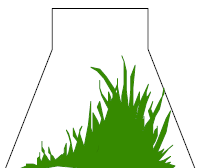
PhytoTechnology Laboratories®

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 17 November 2015 JN

Gelzan™ is a trademarked product of CP Kelco®



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 17 November 2015 JN