

CERTIFICATE OF ANALYSIS

Product Description GELZAN™
 Product Number G3251
 Lot Number 16D3251057
 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	5.0
Physical Appearance		
Color*	2143-70 to 2154-70 or PM-1 to PM-3, PM-19	2154-70 Cream
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	Slight Yellow Tint
Insolubles	None to Slight	Passes-None
Gel Strength	Minimum 400 g/cm ²	460 g/cm ²
Transmittance	Minimum 80%	81%
Loss on Drying	For Information Only	3.3%
Gel Formation	Forms Gel When Suspended in Medium and Autoclaved	Passes
Compression Break Force Test	Force Gauge Measurement (g/cm ²) (For Information Only)	54.5 g/cm ²

* 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.	Sugar Cane	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.

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Recommended Shelf Life Date: May 2024



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Gelzan™ is a trademarked product of CP Kelco®



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