



CERTIFICATE OF ANALYSIS

Produced & Bottled in the District of Columbia, United States of America; **March 2024**

Technical Tissue Culture Grade Agar

Product Description : Technical TC Grade Agar

Product Number : TA100, TA500, TA1000, TA5000, TA25000

Batch Number : MH/TEC/23/J/77

CAS Number : 9002-18-0

Storage Conditions

Manufacture Date : October 2023

Expiry Date : September 2026

Storage Temperature : 20-22 °C

Specifications

Appearance Colour	: White to Light Yellow
Appearance Form	: Fine to Coarse Powder
Solubility	: Soluble in water heated to boiling
Solution Appearance After Heating	: Clear, Colorless to Light Tan
Insolubles	: None
Gel Formation	: Forms Gel when suspended in solvent and heated to boiling

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and or facilitates proper gelling, support, and no phytotoxic impurities in two or more plant tissue cultured lines with no morphological aberrations to plants.	Monstera	PASSES
	Philodendron	PASSES

Analysis Results

Parameters	Results
Clarity	Clear
pH	6.5
Ash	1.22%
Gel Strength	1080 g/cm ²
Gelling Temperature	39 °C
Melting Temperature	95 °C
Swelling Index	9.5 mL
Water Absorption	62 mL
Gelatin	Passes Test
Extraneous Matter	< 0.5%
Starch	NIL
Acid Insoluble Ash	< 0.5%
Total Colony Count	< 1000 CFU-GM
Enterobacteria	Absent
Coliform Bacteria	Absent
Salmonella	NIL
E.Coli	NIL
Mold	< 200 CFU-GM
Yeast	< 200 CFU-GM
Moisture	10.6%

Plant Cell Technology provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained plant tissue culturist. Plant Cell Technology 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.



Francisco Palacios
Lab Director