

PRODUCT SPECIFICATIONS

Product Description: AGL1105 MEDIUM (CUSTOM FORMULATION FOR PROTALIX)
 Product Number: CM195
 Lot Number: HWYCM195031
 Storage Temperature: Room Temperature
 Lot Size: 125.07 kg
 Date: 12-May-2021

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (6.95 g/L)	To Be Defined	4.6
Conductivity (6.95 g/L)	To Be Defined mS/cm (22-24°C)	9.1 mS/cm @ 22.0°C
Physical Appearance Color*	2143-70 to 2150-70, PM-1, PM-4 or PM-19 White to Off-White to Light Cream	PM-19 Off White Fine Powder
Texture	Fine to Coarse Powder	
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Average Time to Dissolve (6.95 g/L)	No Specification – For Information Only Maximum 10 min	5 min
Insolubles	None	Passes
Moisture	For Information Only	0.58%

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

Biological Testing:

TEST SPECIFICATION	Plant Cell Line	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	Tobacco Callus	Passes
	Achimenes	Passes

Animal Origin Statement:

The material described in this certificate is manufactured in the United States of America and is composed of synthetic and mineral-derived components. No animal- or plant-derived components are contained or are used in the manufacture of this product. This product is produced with equipment that does not contact animal-derived products.

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.

Recommended Shelf Life Date: May 2024

See page 2 for composition of raw materials used in the manufacture of this medium.

PhytoTech Labs Inc.
 14610 W 106TH St. Lenexa, KS 66215
 Phone: 1-888-749-8682 or 1-913-341-5343
 Fax: 1-888-449-8682 or 1-913-341-5442
 Phytotechlab.com

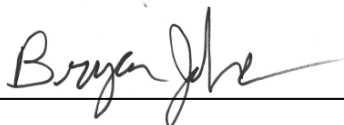
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 Product Number: CM195
 Lot Number: HWYCM195031
 Lot Size: 125.07 kg

**The following components are used to manufacture this lot of CM195.
 Weight ranges are valid ONLY for manufactured batch sizes of 125.07 kg.**

Prod. No.	Lot No.	Description	CAS No.	Minimum [g/batch]	Target [g/batch]	Maximum [g/batch]	Actual [g/batch]
A300	HKY0300184	Ammonium Nitrate	6484-52-2	18260	18540	18820	18540
P100	HWY0100148	Potassium Nitrate	7757-79-1	83950	85230	86510	85230
B210	ACR0210011	Boric Acid	10043-35-3	109.93	111.6	113.27	111.60
C350	15C0350006	Cobalt Chloride, Hexahydrate	7791-13-1	0.4388	0.45	0.4613	0.4500
C375	11B0375004	Cupric Sulfate, Pentahydrate	7758-99-8	0.4388	0.45	0.4613	0.4500
E676	SUS0676013	Ferric Sodium EDTA	15708-41-5	650.7	660.6	670.5	660.60
M150	HKY0150047	Magnesium Sulfate, Anhydrous	7487-88-9	3990	4050	4110	4050
M250	AHR0250013	Manganese Sulfate, Monohydrate	10034-96-5	299.64	304.2	308.76	304.20
M651	16B0651004	Sodium Molybdate(VI), Dihydrate	10102-40-6	4.43	4.5	4.56	4.50
P840	15D0840006	Potassium Iodide	7681-11-0	14.72	14.94	15.16	14.94
P846	HKY0846058	Potassium Phosphate, Monobasic	7778-77-0	8210	8334	8460	8335
Z101	SRS0101007	Zinc Sulfate, Heptahydrate	7446-20-0	152.48	154.8	157.12	154.80
C266	HYY0266078	Calcium Chloride, Anhydrous	10043-52-4	7360	7470	7580	7470
I703	HMA0703049	<i>myo</i> -Inositol	87-89-8	177.3	180	182.7	180.00
T390	AXK0390012	Thiamine Hydrochloride	67-03-8	17.73	18	18.27	18.00



David S. Hart
 Technical Director



Bryan Johnson
 Quality Assurance Manager

PhytoTech Labs Inc.

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