

Technical Information

Kao & Michayluk Microelements Solution (100X)

Product Code: PL1008

Composition**

Ingredients mg/Litre

Manganese sulphate.H ₂ O	1000.00
Boric acid	300.00
Potassium iodide	75.00
Molybdic acid (sodium salt).2H ₂ O	25.00
Zinc sulphate.7H ₂ O	200.00
Copper sulphate.5H ₂ O	2.50
Cobalt chloride.6H ₂ O	2.50
Ferrous sulphate.7H ₂ O	2780.00
EDTA disodium salt.2H ₂ O	3730.00
TOTAL	8.11gm/1000ml

Directions

Use 100ml per litre of macroelements stock solution.

Quality Control

Appearance

Colourless to yellow, clear solution.

pH

2.3 ±0.5 of 100ml macroelements stock solution.

Cultural Response :

Growth promoting activity of solution is assessed after addition of this product in complete medium using shoot tips, nodes or callus for 5 weeks at 25°C ±2°C with 16 hrs photoperiod and 8 hrs darkness. Actively growing shoots and callus is observed.

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Further Reading

1. Kao K.N. & Michayluk M.R., Planta, (1976), 126, 105 - 110

Storage Temperature and Shelf Life

Store product at 2-8°C away from bright light. Shelf life of product is 13 months. Use before expiry date.

Disclaimer

- User must ensure suitability of the product(s) in their application prior to use.
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