Technical Information

CHU (N$_6$) Macroelements Solution (10X)

Product Code: PL1001

Composition**

Ingredients	mg/Litre
Potassium nitrate	28300.00
Ammonium sulphate	4630.00
Calcium chloride.2H$_2$O	1660.02
Magnesium sulphate	903.70
Potassium phosphate monobasic	4000.00
TOTAL	**39.49 gm/100**

Directions

Use 100ml per litre of macroelements stock solution.

Quality Control

Appearance
Colourless to yellow, clear solution.

pH
4.4 ±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.Chu C.C., Wang C.C., Sun C.S., Hus C., Yin K.C., Chu C.Y. & Bi F.Y., (1975), Scientia Sinic., 18, 659-668.

2.Chu C.C, Wang C.C & Sun C.S., (1978), In: Proc. Symp. Plant Tissue Culture, Science Press, Peking, 45-50.

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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