

## Kao & Michayluk Macroelements Solution (10X)

PL007

### Composition :

Ingredients	milligrams/1000ml
Potassium nitrate	19000.00
Ammonium nitrate	6000.00
Calcium chloride.2H <sub>2</sub> O	6000.00
Magnesium sulphate	1468.40
Potassium phosphate monobasic	1700.00
Potassium chloride	3000.00
<b>TOTAL</b>	<b>37.17gm/1000ml</b>

**Directions :** Use 100ml per litre of macroelements stock solution.

**Quality Control :** Appearance : Colourless to yellow, clear solution.  
pH : 4.2 ±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.

**Storage Temperature & Shelf Life :** Store product at 2-8°C away from bright light. Shelf life of product is 13 months. Use before expiry date.

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

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### Disclaimer :



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