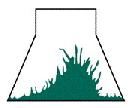
PhytoTechnology Laboratories, LLC™





Product Information Sheet

H353 Hoagland Modified Basal Salt Mixture

Properties

Form: Powder

Appearance: White to Yellow Powder Application: Plant Tissue Culture

Solubility: Water
Typical Working
Concentration: 1.63 g/L
Storage Temp: 2 – 6° C

Storage Temp of Preparation of concentrated solutions is not recommended as insoluble

Stock Solution: precipitates may form.

Other Notes: Contains the macro- and micronutrients as described by Hoagland & Arnon

(1950).

Formula (mg/L)

| Ammonium Phosphate, Monobasic | 115.03 |
|--|--------|
| Boric Acid | 2.86 |
| Calcium Nitrate | 656.4 |
| Cupric Sulfate-5H ₂ O | 0.08 |
| Na ₂ EDTA-2H ₂ O | 3.35 |
| Ferrous Sulfate-7H ₂ O | 2.5 |
| Magnesium Sulfate, Anhydrous | 240.76 |
| Manganese Chloride-4H ₂ O | 1.81 |
| Molybdenum Trioxide | 0.016 |
| Potassium Nitrate | 606.6 |
| Zinc Sulfate-7H ₂ O | 0.22 |

Application Notes

Plant Tissue Culture

Hydroponic nutrient medium suitable for many plant species

References

Hoagland, DR and DI Arnon. 1950. Circular 347, California Agr. Exp. Sta. Berkley.

Revised 2/2007

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