



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 Stock Solution:	Preparation of concentrated solutions is not recommended as insoluble 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.

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