

Hoagland Modified Basal Salt Mixture

Product ID: **H353**

Description: Contains the macro- and micronutrients as described by Hoagland and Arnon (1950). With Ferrous Sulfate.

Product Information

Solubility	Water
Physical Form	Solid
Storage Temp.	2-6 °C
Grams of powder to prepare 1 Liter	1.63
Other Notes	Plant Tissue Culture Tested
UPC / SKU	H353



H353 Hoagland Modified Basal Salt Mixture

PROPERTIES

Form: Powder

Appearance: White to Yellow Powder

Application: Plant Tissue Culture

Solubility: Water

Typical Working Concentration: 1.63g/L

Concentration:

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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ISO Certifications: [ISO 9001:2008 \(QMS\)](#) | [ISO 10002:2014](#)

