

Product Information Sheet

B1396 Broadleaf Tree Basal Medium

Properties

Form:	Powder
Appearance:	White to Yellow
Application:	Plant Tissue Culture
Solubility:	Soluble in Water
Typical Working Concentration:	1.21 g/L
Storage Temp:	2 – 6 °C
Storage Temp of Stock Solution:	Preparation of concentrated solution is not recommended as insoluble precipitates may form.

Formula (mg/L)

Ammonium Nitrate	82.5	Manganese Sulfate, Monohydrate	4.225
Ammonium Sulfate	120	Molybdic Acid, Disodium, Dihydrate	0.063
Boric Acid	1.55	Potassium Iodide	0.038
Calcium Chloride	16.6	Potassium Nitrate	95
Calcium Nitrate	222	Potassium Phosphate, Monobasic	85
Cobalt Chloride, Hexahydrate	0.005	Potassium Sulfate	430
Cupric Sulfate, Pentahydrate	0.063	Zinc Sulfate, Heptahydrate	2.15
EDTA, Disodium, Dihydrate	9.325	<i>myo</i> -Inositol	50
Ferrous Sulfate, Heptahydrate	6.95	Nicotinic Acid	0.25
Magnesium Sulfate, Anhydrous	90		

Application Notes

Plant tissue culture tested.

Plant Species: oak (*Quereus*), linden (*Tilia*), and related broadleaf trees.

Contains the micro- and macro-nutrients and vitamins described by Chalupa (1984).

References

Chalupa, 1984. *Biologia Plantarum*. 26(5):374-377.

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