CERTIFICATE OF ANALYSIS

Product Description	NICKEL SULFATE, HEXAHYDRATE
Product Number	N458
Lot Number	15M0458007
Storage Temperature	Room Temperature
Molecular Weight	262.84
Formula	$NiSO_4 \cdot 6H_2O$
CAS Number	10101-97-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 1 mg/mL	Passes
pH	Under Development	4.5
Physical Appearance		
Color*	2039-40 to 2048-40, or 2038-50 to 2048-50	2048-40 Green
Texture	Crystalline Powder to Crystals	Crystals
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only (Approx. 10 min)	4 min
Insolubles	None	Passes
Purity	Minimum 98.0%	99.89%

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

Test Concentration: 1.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	Tobacco Callus	Passes
	Sugar Cane	Passes

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

***Phyto*Technology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. *Phyto*Technology Laboratories® shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Recommended Shelf Life Date: December 2023

Gary Seckinger, Ph.D.

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ISO 9001 REGISTERED FIRM

Created on 19 January 2016 JN