

CERTIFICATE OF ANALYSIS

Product Description	BORIC ACID, CRYSTALLINE NF, EP, BP, AND JP GRADES
Product Number	B619
Lot Number	08D61901
Storage Temperature	Room Temperature
Molecular Weight	61.83
Formula	H ₃ BO ₃
CAS Number	10043-35-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH @3.3% Solution	3.8 – 4.8	4.1
Physical Appearance Color* Texture	RM-1 to RM-3, or RM-31 Fine to Granular Powder	RM-1 White Granular Powder
Purity	99.5 – 100.5%	99.69%
Solubility in Alcohol	To Pass Test	Passes
Completeness of Solution	To Pass Test	Passes
Appearance of Solution	To Pass Test	Passes
Loss on Drying	Maximum 0.5%	0.0%
Heavy Metals	Maximum 10 ppm	Less than 5 ppm
Arsenic	Maximum 5 ppm	Less than 5 ppm
Organic Matter	To Pass Test	Passes
Sulfates	Maximum 450 ppm	Less than 450 ppm
Residual Solvents	To Pass Test	Passes
Identification	To Pass Test	Passes

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

Biological Testing:

Test Concentration: 6.0 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	Venus Fly Trap	Passes
	Tobacco Callus	Passes

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

PhytoTechnology 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. PhytoTechnology 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.

Shelf Life Date: April 2016



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