

CERTIFICATE OF ANALYSIS

Product Description POTASSIUM SULFATE, ANHYDROUS
CRYSTALLINE
Product Number P854
Lot Number HWE0854055
Storage Temperature Room Temperature
Molecular Weight 174.26
Formula K_2SO_4
CAS Number 7778-80-5

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|--|---------------------------|
| Solubility | Soluble in Water @ 100 mg/mL | Passes |
| pH | Under Development | 6.6 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Fine Powder to Crystals, may form clumps | PM-3 White Fine Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | For Information Only (Approx. 5 min) | Passes |
| Insolubles | None | Passes |
| Purity (as K_2SO_4) | Minimum 99.0% | 99.76% |
| FTIR | Conforms to Structure | Passes |
| Atomic Absorption | For Information Only | 0.189 AU |

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

Biological Testing:

Test Concentration: 170 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 | African Violet | Passes |
| | H38 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.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.

Date of Release: 07-June-2024

Recommended Shelf-Life Date: June 2032



David Hart
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