

CERTIFICATE OF ANALYSIS

Product Description 1-AMINOCYLCOPROPANECARBOXYLIC ACID
Product Number A1180
Lot Number 14A1180001
Molecular Weight 101.1
Formula $C_4H_7NO_2$
CAS Number 22059-21-8
Storage Temperature -20 to 0° C

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--------------------------|-----------------------------|-----------------|
| Solubility | Soluble in Water @ 25 mg/mL | Passes |
| pH (25mg/mL) | Under Development | 5.2 |
| Physical Appearance | | |
| Color* | White to Off-White Powder | PM-1 Off White |
| Texture | Under Development | Granules |
| Solution Appearance | | |
| Color | Under Development | Colorless |
| Clarity | Under Development | Clear |
| Average Time to Dissolve | Under Development | Within 1 minute |
| Insolubles | None | Passes-None |
| FTIR | Conforms to Structure | Passes |
| Purity | Under Development | 99.90% |

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

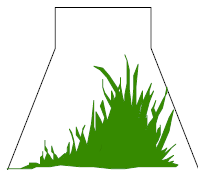
The material described in this certificate is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

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.

Recommended Shelf Life Date: September 2017



Gary Seckinger, Ph.D.



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