

CERTIFICATE OF ANALYSIS

Product Description ALGINIC ACID
 SODIUM SALT
Product Number A108
Lot Number 12K0108008
Storage Temperature Room Temperature
CAS Number 9005-38-3

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--------------------------|---|---------------------------------|
| Solubility | Partially Soluble in Water | Passes |
| pH (20.00 g/L) | Under Development | 6.8 |
| Physical Appearance | | |
| Color* | 2155-60, 2016-70 to 2023-70, 2149-70 to 2155-70, HC-6, or RM-7 | 2152-70 Slight Cream Tint |
| Texture | Fine Powder | Fine Powder |
| Solution Appearance | | |
| Clarity | Clear to Hazy, Viscous Solution | Slightly Hazy, Viscous Solution |
| Color | Off-white with a Yellow to Tan | Slight Tan Tint |
| Average Time to Dissolve | Within 2 hours | Passes |
| Bead Formation | Form Bead When Added to an Appropriate Solvent | Passes |
| Viscosity | For Information Only | 80 mPa·s |

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

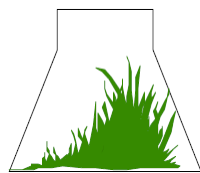
The material described in this certificate is derived from seaweed. No animal-derived components were used in the manufacture of this product.

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: October 2020



Gary Seckinger, Ph.D.



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