

CERTIFICATE OF ANALYSIS

Product Description SODIUM BICARBONATE
Product Number S803
Lot Number 09C0803002
Storage Temperature Room Temperature
Molecular Weight 84.01
Formula NaHCO₃
CAS Number 144-55-8

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|---|---|--------------------|
| Solubility | Soluble in Water @ 10 mg/mL | Passes |
| pH | Under Development | 8.31 |
| Physical Appearance Color* | 2143-70 to 2149-70, RM-1 to RM-4, or RM-31 | RM-31 White |
| Texture | Fine Powder; May have clumps | Fine Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 1 min | Passes |
| Insolubles | None | Passes |

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

Biological Testing:

Test Concentration: 1.0 g/L

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|--|-----------------|---------|
| This product does not necessarily promote tissue growth. It is tested with two or more plant tissue cultured lines to ensure there are no phytotoxic impurities. | Syngonium | Passes |
| | Tobacco callus | Passes |

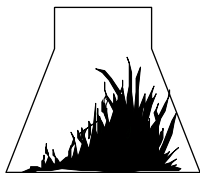
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories, LLC 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: March 2011



Gary Seckinger, Ph.D.



PhytoTechnology
Laboratories, LLC
Dedicated to Growth

PhytoTechnology Laboratories, LLC

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