



947485

CERTIFICATE OF ANALYSIS

| CUSTOMER | | PRODUCT | |
|--|--|--------------------------------|---------------|
| Brenntag Mid-South - Chattanooga PO Box 20 Henderson, KY 42419 USA | | Sodium Metabisulfite NF/Food/P | |
| ESSECO ORDER NUMBER: | 19904 | PRODUCT CODE: | 1NP04E-0050LB |
| CUSTOMER PO NUMBER: | 734885 | LOT NUMBER: | 171695 |
| RELEASE NUMBER: | | SPECIFICATION: | Standard |
| PRINT DATE: | 08/31/2017 | VERSION: | 4.0 |
| EXPIRATION DATE: | 06/17/2020 | EFFECTIVE: | 7/16/2013 |
| PARAMETER | SPECIFICATION | ANALYSIS | |
| Sodium Metabisulfite (Na ₂ S ₂ O ₅) | 98.6 =< Value =< 99.8% | 99.2 % | |
| Sodium Sulfite (Na ₂ SO ₃) | 0.0 =< Value =< 0.6% | 0.4 % | |
| pH (5% solution) | 4.0 =< Value =< 4.6 | 4.3 | |
| Sulfur Dioxide (SO ₂) | 66.4 =< Value =< 67.2% | 66.8 % | |
| Appearance of Solution | Clear and Free from Insoluble Matter Except for a Slight Flocculence | PASS | |
| Appearance | White Crystals | PASS | |
| Arsenic (As) | 0.0 <= Value <= 1.0 ppm | PASS | |
| Chloride (Cl) | 0.00 <= Value <= 0.02 % | PASS | |
| Heavy Metals (as Pb) | 0.0 <= Value <= 10.0 ppm | PASS | |
| Identification | To Pass Tests | PASS | |
| Insoluble Matter (Ca, Mg, NH ₄ OH) | 0.00 <= Value <= 0.05 % | PASS | |
| Iron (Fe) | 0.0 <= Value <= 5.0 ppm | PASS | |
| Lead (Pb) | 0.0 <= Value <= 0.5 ppm | PASS | |
| React to Amm Silver Nitrate | To Pass Test | PASS | |
| Selenium (Se) | 0.0 <= Value <= 5.0 ppm | PASS | |
| On 40 Mesh | 0.0 <= Value <= 20.0 % | PASS | |
| Through 100 Mesh | 0.0 <= Value <= 35.0 % | PASS | |
| Through 20 Mesh | 99.0 <= Value <= 100.0 % | PASS | |
| Sodium Thiosulfate (Na ₂ S ₂ O ₃) | 0.00 <= Value <= 0.04 % | PASS | |
| REMARKS | | | |


 CERTIFIED BY: _____
 AUTHORIZED SIGNATURE

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IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.