

FOR CUSTOMER SERVICE PLEASE CALL: 1-800-323-7107

1 of 2

Certificate of Analysis

| | |
|--|--|
| Shipped to: DUDA ENERGY LLC 1112 BROOKS ST SE DECATUR AL 35601 | Order # : 1965602 Delivery # : 4818611 Customer PO : 497 Net weight : 41,650 LB |
| Fax to: diesel Ship Date: 28-Sep-2017 | Certificate Date : 29-Sep-2017 |

Product: USP NO.1 SODIUM BICARB 50 LB BG

Retest Date of 3 Years from the Manufacturing Date on the COA, Not Intended for Active Pharmaceutical Ingredient (API) Use.
The MUL (maximum use level) is 100 mg/L under NSF/ANSI Standard 60

| PROPERTY INSPECTION METHOD | SPECIFICATION | BATCH: 0001451391 MFG. DATE: 21-Sep-2017 |
|---|---|---|
| Container Identification Ammonia, Pass/Fail, 20 ppm max Arsenic, USP, 2 ppm max Sodium Bicarbonate, NaHCO ₃ , % Bicarbonate Ion, USP, P/F Calcium, as Ca, ppm Chloride, USP Test, 150ppm max Heavy Metals, USP, 5 ppm max. Insolubles, USP (Pass/Fail) Iron, as Fe, ppm Loss on drying, % Magnesium, as Mg, ppm Normal Carbonate, USP, Pass/Fail Sodium ion, USP, P/F Sulfur Compounds, 150 ppm max Bulk Density, lbs/ft ³ US + 100 Mesh, Cumulative % | 99.00 - 100.50 0.25 Max 0.0 - 2.0 | 17-264 PASS PASS 99.97 PASS 45 PASS PASS PASS 0.55 0.00 18 PASS PASS PASS 62.4 0.2 |

Authorized By:



Manufacturing Location:
Tronox Alkali Corporation
Highway 374
P.O. Box 872
Green River, WY 82935
U.S.A



Tronox Specialty Alkali LLC
 1735 Market Street
 Philadelphia PA 19103

CUSTOMER CONTACT & FAX

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| PROPERTY INSPECTION METHOD | SPECIFICATION | BATCH: 0001451391 MFG. DATE: 21-Sep-2017 |
|-------------------------------|---------------|---|
| US + 200 Mesh, Cumulative % | 20.0 - 45.0 | 38.8 |
| US + 325 Mesh, Cumulative % | 60.0 - 100.0 | 72.8 |

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 U.S.A