



NATURAL SODA

**SODIUM BICARBONATE, USP Grade #1
CERTIFICATE OF ANALYSIS**

LOT NUMBER (packaged): N1181721-1
MANUFACTURING DATE: 06/21/18
BULK DENSITY (LBS/FT³): 71.4

Analysis	Specification	Result	Testing Frequency	Test Method
Sodium Bicarbonate Assay	99.0%-100.5%	100.4	Per Lot	USP Sodium Bicarbonate Monograph
pH (3% solution)	7.8-8.5	8.1	Per Lot	pH Meter
Chloride	<150 ppm	<150 ppm	Per Lot	USP <221>
Moisture	<0.25wt%	<0.25wt%	Per Lot	USP <731> Loss on Drying
Ammonia	<20 ppm	<20 ppm	Daily	USP Sodium Bicarbonate Monograph
Cadmium	<1 ppm	<1 ppm	Daily	Atomic Absorption
Calcium	<100 ppm	<100 ppm	Daily	Atomic Absorption
Copper	<1 ppm	<1 ppm	Daily	Atomic Absorption
Insoluble	Pass/Fail	Pass	Daily	USP Sodium Bicarbonate Monograph
Iron	<2 ppm	<2 ppm	Daily	Atomic Absorption
Lead	<2 ppm	<2 ppm	Daily	Atomic Absorption
Arsenic	<2 ppm	<2 ppm	Weekly	USP <211>
Heavy Metal	<5 ppm	<5 ppm	Weekly	USP <231>, USP 40-NF35
Limit of Sulfur Compound	<150 ppm	<150 ppm	Weekly	USP Sodium Bicarbonate Monograph
Identification	Pass/Fail	Pass	Quarterly	USP <191>
Normal Carbonate	Pass/Fail	Pass	Quarterly	USP Sodium Bicarbonate Monograph
Meets current USP Specification	Pass/Fail	Pass		

Screen Analysis: % Cumulative Retained

USS Screen	Micron	Specification	Result
100	150	0-2	1
200	75	20-50	37
325	45	60-100	76

Expiration Date: June 21, 2020


Dan Pingree, QA Technician

Date: 6/22/2018

Effective April 5, 2018

Natural Soda LLC • 3200 RBC Road 31 • Rifle, Colorado 81650

Intended for use in food, dietary supplements and excipients only, not intended for use in hemodialysis or as an active pharmaceutical ingredient