



TATA CHEMICALS (SODA ASH) PARTNERS

CERTIFICATE OF ANALYSIS

No. 5000014714-99000101

Tel (800) 819-8588



CERTIFIED TO NSF/ANSI STANDARD 60
MAXIMUM USE LEVEL 200 mg/L

To: C&D Green River Bagging - TCSAP
Church & Dwight
Alchem Road
Green River WY 82935

Product: 99000101
Bulk Dense Soda Ash
Lot #: E2307261

Analyzed: 11/3/2022 Order #: 5000014714 Net Weight: 101854.17 KG
Shipped: 11/11/2022 PO #: 224550.00 LB
DAILY COMPOSITE Ship ID: DJTX 515261 Date of Manufacture: 11/1/2022
BAGGING CAR Meets FCC Analysis

Parameter	Specification	Analysis
ASSAY (% Na2CO3)	99.5 % Minimum	99.81
ASSAY (% Na2O)		58.37
WT. LOSS at 250 deg. C (%)		0.07
WATER INSOLUBLE (% H2O INSOL)	0.020% Maximum	0.009
CHLORIDE (% NaCl)	0.04 % Maximum	0.013
SULFATE (% SO4)		0.0283
SULFATE (% Na2SO4)		0.0419
SILICA (% SiO2)	0.03 % Maximum	0.02
ORGANICS (% TOC)	0.01 % Maximum	0.0027
BULK DENSITY (lbs/cu.ft.)	62.4 - 68.6 lbs/cu.ft	64.9
20 Mesh Screen, Cumulative (%)		0.2
30 Mesh Screen, Cumulative (%)	4 % Maximum	0.8
40 Mesh Screen, Cumulative (%)		6.6
60 Mesh Screen, Cumulative (%)		54.5
100 Mesh Screen, Cumulative (%)	85 % Minimum	90.2
200 Mesh Screen, Cumulative (%)	98 % Minimum	98.8
CALCIUM (ppm Ca)	Monthly Composite Analysis	60
MAGNESIUM (ppm Mg)	Monthly Composite Analysis	18
IRON (ppm Fe)	Monthly Composite Analysis	2.6
ARSENIC (ppm As)	Monthly Composite Analysis	0.12
HEAVY METALS (ppm Pb)	Monthly Composite Analysis	5

Certified By: James Locke
Quality Assurance Supervisor
James Locke

Date: 11/10/2022