



**SOLVAY  
CHEMICALS, Inc.**

**CERTIFICATE OF ANALYSIS**

SOLVAY CHEMICALS, Inc.

**Customer**

FAENCAL TARTARIC PRODUCTS INC  
2886 SOUTH MAPLE AVE  
FRESNO CA 93725-2200  
USA

**Certificate recipient**

RENERIA DANIEL  
FAENCAL TARTARIC PRODUCTS INC  
2886 SOUTH MAPLE AVE  
FRESNO CA 93725-2200

<b>Transport</b>	4110260644	<b>Batch number</b>	00827001AP
<b>Delivery note</b>	72566427 900001	<b>Order</b>	5440718 000010
<b>Shipping date</b>	09/16/2020	<b>Customer ref.</b>	49568
<b>Packaging</b>	784 bag		

**DENSE SODA ASH**

Industrial origin GREEN RIVER, WY

Batch number 00827001AP / Quantity 16 pallet(s)

Characteristics	Units	Value	Specification
Total alkalinity (Na <sub>2</sub> CO <sub>3</sub> )	%	99.76	>= 99.70
Sodium oxide (Na <sub>2</sub> O)	%	58.35	>= 58.31
Na <sub>2</sub> SO <sub>4</sub>	%	0.02	<= 0.04
NaCl	%	0.07	<= 0.10
Loss on ignition	%	0.13	
Insoluble Substances in water	%	0.01	<= 0.05
Iron (Fe)	ppm	2.1	<= 8.0
Bulk Density	lb/ft <sup>3</sup>	64.1	56.0 - 66.0
Heavy Metals as Pb	-	< 5 ppm	
As <sub>2</sub> O <sub>3</sub>	-	< 3 ppm	
Screen Analysis	-	% Retained	
US >=20 (850 Micron)	%	0.6	<= 3.0
US >=30 (600 Micron)	%	1.8	<= 12.0
US >=40 (425 Micron)	%	11.1	3.0 - 35.0
US >=50 (300 Micron)	%	47.8	
US >=70 (212 Micron)	%	79.1	
US >=100 (150 Micron)	%	93.1	84.0 - 99.0
US >=140 (106 Micron)	%	97.7	
US >=200 (75 Micron)	%	99.4	98.0 - 99.9
US <200 (75 Micron)	%	0.8	

PCQI  
Record Review  
SEP 16 2020  
Reviewed by  
Signature

*Daniel Renteria*

Quality Contract Reference 7-99 TDS

Date 07/01/1999 Issue 01

This Certificate was automatically produced and is valid without signature

**Supplier :**

SOLVAY CHEMICALS, Inc.  
3737 Buffalo Speedway, Suite 800  
77098-3701 Houston, TX  
Tel: 713 525-6500 - Fax: 713 525-7806

**Approved by**

Dave Smith  
Solvay Chemicals, Inc.  
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Green River, WY 82935  
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