



# Certificate of Analysis

NEWARK CA US SALT  
CARGILL INCORPORATED  
7220 CENTRAL AVE  
NEWARK CA 94560-4205  
USA

Ship to:

<b>Material</b>	100011820	<b>Delivery</b>
	PRFD SEA SALT PWDR 50LB PA 50P	<b>PO Number</b>
<b>Customer Product Code</b>		<b>Contract Number</b>
<b>Batch</b>		<b>Truck/Rail/Container ID</b>
<b>Date of Manufacture</b>	06/12/2017	

Characteristic	Result	Unit of Measure	Min	Max	Method
Surface Moisture (%)	0.0643	%	0.0000	0.1000	Surface and Interstitial Moisture
Water Insolubles (%)	0.0062	%	0.0000	0.0100	Water Insolubles
Ca & Mg as Ca (%)	0.0114	%	0.0000		Calcium & Magnesium by EDTA Titration
TCP (%)	1.4	%	0.0	2.0	Tricalcium Phosphate Content in Salt
NaCl (%)	99.97	%	99.80	100.00	Purity of Sodium Chloride by Difference
Sieve - Retained on Pan	60.4	%		85.0	Particle Size Distribution (Screens)
Sieve - USS 325 Mesh retained	39.6	%	15.0		Particle Size Distribution (Screens)
Meets Heavy Metals for FCC	PASS TEST				Heavy Metals as Lead

Results listed on the COA as typical or identified with an asterisk (\*) are not tested on each batch, have not been tested for the batch, and represent values or ranges normally found in this material

FSQR Manager 620-669-2171  
All the above results are "Typical" based on averages from in process testing



# Certificate of Analysis

NEWARK CA US SALT  
CARGILL INCORPORATED  
7220 CENTRAL AVE  
NEWARK CA 94560-4205  
USA

Ship to:

Material	100012558	Delivery
Customer Product Code	PRFD SEA SALT 50LB PA	PO Number
Batch		Contract Number
Date of Manufacture	08/13/2017	Truck/Rail/Container ID

Characteristic	Result	Unit of Measure	Min	Max	Method
Magnesium Carbonate (%)	0.35	%		1.00	Internal Method
Water Insolubles (%)	0.0090	%		0.0100	Water Insolubles
Surface Moisture (%)	0.0250	%		0.1000	Surface and Interstitial Moisture
Ca & Mg as Ca (%)	0.0085	%			Calcium & Magnesium by EDTA Titration
NaCl (%)	99.98	%	99.70	100.00	Purity of Sodium Chloride by Difference
Sieve - USS 50 Mesh retained	21.0	%			Particle Size Distribution (Screens)
Sieve - USS 70 Mesh retained	8.4	%			Particle Size Distribution (Screens)
Sieve - USS 30 Mesh retained	33.8	%	0.0	50.0	Particle Size Distribution (Screens)
Sieve - Retained on Pan	2.2	%	0.0	10.0	Particle Size Distribution (Screens)
Sieve - USS 40 Mesh retained	34.7	%			Particle Size Distribution (Screens)
Bulk Density (#/cu ft)	72.1	PCF	69.0	84.0	Bulk Density Determination of Salt - 1
Meets Heavy Metals for FCC	PASS TEST				Heavy Metals as Lead

Results listed on the COA as typical or identified with an asterisk (\*) are not tested on each batch, have not been tested for the batch, and represent values or ranges normally found in this material.

FSQR specialist 510-790-8626  
All the above results are "Typical" based on averages from in process testing