



# Certificate of Analysis

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

<b>Material</b>	100012556	<b>Delivery</b>
	PRFD SEA SALT 50LB PA	<b>PO Number</b>
<b>Customer Product Code</b>		<b>Contract Number</b>
<b>Batch</b>	35817ADBAA	<b>Truck/Rail/Container ID</b>
<b>Date of Manufacture</b>	12/26/2017	

Characteristic	Result	Unit of Measure	Min	Max	Method
Magnesium Carbonate (%)	0.34	%		1.00	Internal Method
Water Insolubles (%)	0.0045	%		0.0100	Water Insolubles
Surface Moisture (%)	0.0369	%		0.1000	Surface and Interstitial Moisture
Ca & Mg as Ca (%)	0.0123	%			Calcium & Magnesium by EDTA Titration
NaCl (%)	99.91	%	99.70	100.00	Purity of Sodium Chloride by Difference
Sieve - USS 50 Mesh retained	25.9	%			Particle Size Distribution (Screens)
Sieve - USS 70 Mesh retained	15.0	%			Particle Size Distribution (Screens)
Sieve - USS 30 Mesh retained	23.5	%	0.0	50.0	Particle Size Distribution (Screens)
Sieve - Retained on Pan	4.6	%	0.0	10.0	Particle Size Distribution (Screens)
Sieve - USS 40 Mesh retained	30.7	%			Particle Size Distribution (Screens)
Bulk Density (#/cu ft)	74.1	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.

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FSQR Manager

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All the above results are " Typical" based on averages from in process testing