



Technical Information
Purified Sea Salt

DESCRIPTION:

Purified Sea Salt is a food grade, granular, white crystalline sea salt manufactured under stringent process control procedures by vacuum evaporation of purified brine made from Pacific Ocean sea salt, which was harvested from ponds near the San Francisco Bay.

ORGANOLEPTIC PROPERTIES:

Purified Sea Salt has a characteristic saline taste, and may exhibit a slight halogen odor upon warming.

COMPLIANCE:

Purified Sea Salt is of food grade quality, complying fully with the standards for Sodium Chloride as set forth in the Food Chemicals Codex. It is approved for direct use in meat and poultry products by the U.S. Department of Agriculture Food Safety and Inspection Service.

ADDITIVES:

Purified Sea Salt contains Magnesium Carbonate, which is added to improve caking resistance and flowability in accord with 21CFR 182.1425. When this salt is incorporated into a food product, this additive is considered incidental, non-functional and exempt from label declaration in accord with 21CFR 101.100(a)(3).

APPLICATIONS:

Purified Sea Salt is intended for table and cooking use, as well as direct application in foods manufactured by the various food processing industries.

PACKAGING AND STORAGE:

Purified Sea Salt is available in 50lb. multiwall kraft containers which incorporate polyethylene film liners for added moisture protection. To improve caking resistance, the product should be stored in a dry, covered area at humidity below 75%.

METHODS OF ANALYSIS:

Methods of analysis are taken from ASTM E 534-98, Cargill and the Food Chemicals Codex 5th Edition.

OTHER PROPERTIES:

Purified Sea Salt contains no known allergens, and exhibits virtually no microbiological activity.

CHEMICAL ANALYSIS:

Component	Units	Typical	Specification
Sodium Chloride (dry) ¹	%	99.97	99.80 min.
Calcium & Magnesium (as Ca) ²	%	0.003	-
Sulfate (as SO ₄)	%	0.01	-
Surface Moisture ³	%	0.02	0.1 max.
Copper (as Cu)	ppm	-	0.5 max.
Iron (as free Fe)	ppm	-	2.0 max.
Heavy Metals (as Pb)	ppm	<1.0	2.0 max.
Magnesium Carbonate	%	0.5	0.6 max.
Water Insolubles ²	%	0.0025	0.01 max.

¹By difference of impurities before conditioning.

²Before conditioning with magnesium carbonate.

³110°C for 2 hours.

SIEVE ANALYSIS:

U.S. Mesh	Opening Inches	Opening Microns	Typical	Specification
30	0.0232	590	0	10 max.
40	0.0165	420	3	-
50	0.0117	300	56	-
70	0.0083	210	38	-
Pan	-	-	3	10 max.

Note: Sieve analysis is reported as percent retained.

BULK DENSITY:

Parameter	Typical	Specification
Pounds per Cubic Foot	81	76 - 84
Grams per Liter	1300	1215 - 1345

Note: Bulk Density is reported as loose (uncompacted).

PRODUCING LOCATION: NEWARK, CA

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CARGILL SALT

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NOTICE: All of the above statements, recommendations, suggestions and data are based on our laboratory results, and we believe same to be reliable. Nevertheless, with the exception of data showing an express guaranty (such as in the case of products specifically designed for use as nutrient supplements), all such statements, recommendations, suggestions and data hereinabove presented are made without guaranty, warranty or responsibility of any kind on our part.