Technical Information

Alberger® Coarse Topping Flake Salt

DESCRIPTION:

Alberger® Coarse Topping Flake Salt is a high purity, food grade, natural crystalline, coarse flake sodium chloride manufactured under stringent process control procedures by Cargill's exclusive ALBERGER® process. This salt is obtained from underground deposits by deep well solution mining. Brine from wells is chemically treated to remove most calcium and magnesium impurities, and subsequently evaporated under normal atmospheric conditions to produce a natural flake salt with unique physical characteristics.

ORGANOLEPTIC PROPERTIES:

Alberger® Coarse Topping Flake Salt has a characteristic saline taste, and may exhibit a slight halogen odor upon warming.

COMPLIANCE:

Alberger® Coarse Topping Flake 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:

Alberger® Coarse Topping Flake Salt contains no anticaking or free-flowing additives or conditioners.

APPLICATIONS:

Alberger® Coarse Topping Flake Salt is recommended for use in meat and poultry koshering, as a topping for baked goods, and as an ingredient in seasoning blends.

PACKAGING AND STORAGE:

Alberger® Coarse Topping Flake Salt is available in 80lb. multiwall kraft containers, which incorporate polyethylene film liners for added moisture protection, and up to 2,000lb. mini-bulk bags. 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:

Alberger® Coarse Topping Flake Salt contains no known allergens, and exhibits virtually no microbiological activity.

CHEMICAL ANALYSIS:

Component	Units	Typical	Specification
Sodium Chloride (dry)[1]	%	99.85	99.80 min.
Sulfate (as SO_4)	%	0.13	-
Total Ca & Mg (as Ca)	%	0.03	-
Surface Moisture[2]	%	0.03	0.1 max.
Water Insolubles	ppm	-	100 max.
Copper (as Cu)	ppm	-	0.5 max.
Iron (as free Fe)[1]	ppm	-	2.0 max.
Heavy Metals (as Pb)	ppm	<1.0	2.0 max.

[1]By difference of impurities.
[2]110°C for 2 hours.

SIEVE ANALYSIS:

U.S.S. Mesh	Opening Inches	Opening Microns	Typical	Specification
16	0.0555	1190	3	10 max.
20	0.0083	840	18	-
30	0.0234	600	37	-
40	0.0165	420	31	
50	0.0117	300	4	
Pan	-	-	7	10 max.

Note: Sieve analysis is reported as percent retained.

BULK DENSITY:

Parameter	Typical	Specification
Pounds per Cubic Foot	37	30 - 40
Grams per Liter	590	480 - 640

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

FUNCTIONAL PROPERTIES:

Parameter	Units	Typical
Solubility Rate	Seconds	26.3
Crystal Count	Per Pound	4,000,000
Specific Surface	Square Feet/Pound	18.0
Flowability	Grams/Second	9.2

PRODUCING LOCATION: ST. CLAIR, MI

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CARGILL SALT
P.O. Box 5621
Minneapolis, MN
55440
1-888 385-7258