Technical Information

Hi-Grade Evaporated Salt

DESCRIPTION:

Hi-Grade Evaporated Salt is a food grade, granular, white crystalline sodium chloride manufactured under stringent process control procedures by vacuum evaporation of raw, untreated brine. This salt is obtained from underground deposits by deep well solution mining.

ORGANOLEPTIC PROPERTIES:

Hi-Grade Evaporated Salt has a characteristic saline taste, and may exhibit a slight halogen odor upon warming.

COMPLIANCE:

Hi-Grade Evaporated 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:

Hi-Grade Evaporated Salt contains no anticaking or free-flowing additives or conditioners.

APPLICATIONS:

Hi-Grade Evaporated Salt is intended for a variety of food processing applications which are not sensitive to minor inclusions of calcium and magnesium.

PACKAGING AND STORAGE:

Hi-Grade Evaporated Salt is available in 50lb. and 80lb. 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:

Hi-Grade Evaporated Salt contains no known allergens, and exhibits virtually no microbiological activity.

CHEMICAL ANALYSIS:

Component	Units	Typical	Specification
Sodium Chloride (dry)[1]	%	99.86	99.80 min.
Calcium & Magnesium (as Ca)	%	0.04	-
Sulfate (as SO_4)	%	0.06	-
Surface Moisture[2]	%	0.03	0.1 max.
Copper (as Cu)	ppm		1.0 max.
Iron (as free Fe)	ppm	<1.0	2.0 max.
Heavy Metals (as Pb)	ppm	<1.0	2.0 max.
Water Insolubles	ppm	165	200 max.

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

SIEVE ANALYSIS:

U.S.S. Mesh	Opening Inches	Opening Microns	Typical	Specification
30	0.0232	590	19	50 max.
40	0.0165	420	34	-
50	0.0117	300	34	-
70	0.0083	210	10	-
Pan	-	-	3	10 max.

Note: Sieve analysis is reported as percent retained.

BULK DENSITY:

Parameter	Typical	Specification
Pounds per Cubic Foot	77	73 - 79
Grams per Liter	1235	1165 - 1265

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

PRODUCING LOCATION: WATKINS GLEN, NY

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