

Erythritol

DESCRIPTION

Erythritol is a white, anhydrous, non-hygroscopic, crystalline substance with a mild sweetness and appearance similar to sucrose. As a bulk sweetener, erythritol provides volume, texture and microbiologic stability similar to sucrose. Erythritol is 60-70% as sweet as sucrose, depending on the food system. It is soluble in water and slightly soluble in alcohol. This material is Kosher. Parve and Halal Certified.

Formula: $C_4H_{10}O_4$
CAS: 149-32-6

Molecular Weight: 122.12
Flashpoint: Not Applicable

SUGGESTED USES Beverages, Baked Goods, Frozen Dairy Desserts, Chewing gum, Hard candies, Fats and Oils, Snack Foods, Yogurt, Gelatins, Sauces, Syrups, Breakfast Cereals, Condiments

Test Item	Specification	Test Method / Reference
Appearance	White crystal granule/powder	Current FCC
Identification	Meets Requirements	Current FCC
Sensory	Clean Sweet Taste No Unusual Odor	Internal
pH	5.0-7.0	Internal
Loss on Drying	≤ 0.2%	Current FCC
Assay (Dried Basis)	99.5-100.5%	Current FCC
Melting Point	119-123° C	Current FCC
Residue on Ignition	≤ 0.1%	Current FCC
Reducing Sugars	≤ 0.3%	Current FCC
Ribitol and Glycerol	≤ 0.1%	Current FCC
Lead	≤ 1ppm	Current FCC
Arsenic	≤ 2ppm	Internal
Total Aerobic Plate Count	≤ 300 CFU/g	GB
Yeast and Mold Count	≤ 50 CFU/g	GB
Coliforms	≤ 3.0 MPN/g	GB
Salmonella	Negative/25g	GB
Particle size	> 800 um 5% Maximum > 400 um 60% Maximum > 200 um 85% Maximum < 200 um 85% Maximum	Internal

CFU = Colony Forming Units
JP = Japanese Pharmacopeia
FCC = Food Chemical Codex

EP = European Pharmacopeia
USP/NF - United States Pharmacopeia-
National Formulary

GB= China National Standard Method
JECFA = Joint FAO/WHO Expert
Committee on Food Additives

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PACKAGING	25 kg net weight fiber drums with inner liner or as otherwise agreed upon.
SHIPPING & HANDLING	Transport under cool, dry conditions.
STORAGE	Erythritol should be stored in well closed containers in a clean, dry and odor free environment.
SHELF LIFE	The shelf life of this material is 2 years from the date of manufacture if stored in a cool, dry environment.
LOT CODE EXPLANATION	Example Lot: 15052472 15 = Year Manufactured: 2015 05 = Month Manufactured: May 24 = Day of Month Manufactured 7 = Number of Production Line 2 = Shift Number

NUTRITIONAL DATA

Nutrient	Per 100 grams
Water (g)	<0.2
Protein (g)	0
Fat (g)	<0.3
Saturated	<0.15
Monosaturated	0
Polyunsaturated	0
Ash (g)	<0.1
Calorie (kcal)	<20
Carbohydrates (g)	99.7-100
Sugar (g)	<0.3
Dietary Fiber (g)	0
Cholesterol (mg)	0
Calcium (mg)	0
Iron (mg)	0
Niacin (mg)	0
Phosphorus (mg)	0
Potassium (mg)	0
Riboflavin (mg)	0
Sodium (mg)	<0.01
Thiamin (mg)	0

This data is calculated from standard analytical data. The zero values are based on process knowledge and raw materials used.

Erythritol is chemically pure and contains no additives, preservatives or colors.

