

Xylitol

DESCRIPTION

Xylitol is a white crystalline powder having a sweet taste. It is freely soluble in water and slightly soluble in ethanol. This material is Kosher, Parve and Halal Certified. Xylitol is manufactured without the use of Pesticides/Herbicides, Allergens, BSE/BTEs and GMO's.

Formula: $C_5H_{12}NO_5$
Molecular Weight: 152.64
Flashpoint: Not Applicable

SUGGESTED USES

Foods, Sugar Free Chewing Gum, Confectionery, Oral Hygiene Products (Mouthwash and Toothpaste), Pharmaceuticals, Dietetic Products, Cosmetics.

| Test Item | Specification | Test Method / Reference |
|---------------------------|--------------------------|-------------------------|
| Appearance | White Crystalline Powder | Current USP-NF |
| Taste | Sweet, Odorless | Internal Method |
| Purity | 98.5%-101.0% | Current USP-NF |
| Water | ≤ 0.5% | Current USP-NF |
| Other Polyols | ≤ 1.0% | Current FCC |
| pH (1 of 100 Solution) | 5.0 - 7.0 | Internal Method |
| Residue on Ignition | ≤ 0.1% | Current FCC |
| Heavy Metal (as Pb) | ≤ 10 ppm | Current USP-NF |
| Reducing Sugars | ≤ 0.3% | Current FCC |
| Chlorides | ≤ 100 ppm | Internal Method |
| Sulfates | ≤ 200 ppm | Internal Method |
| Arsenic | ≤ 3 ppm | Internal Method |
| Nickel | ≤ 1 ppm | Internal Method |
| Lead | ≤ 1 ppm | Current FCC |
| Total Aerobic Plate Count | ≤ 100 CFU/g | GB |
| Yeast and Mold Count | ≤ 10 CFU/g | GB |
| Coliforms | Negative | GB |
| Escherichia Coli | Negative | GB |
| Salmonella | Negative | GB |
| Staphylococcus aureus | Negative | GB |
| Particle Size | 8-80 Mesh | Internal Method |

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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CONFORMITY WITH:

Food Chemicals Codex
US Pharmacopoeia
This material is Kosher Pareve and Halal Certified

PACKAGING

25-kg Kraft paper bag, 500kg or 1000 kg container.

SHIPPING & HANDLING

Recommended to be shipped in an odor-free environment.
Low humidity conditions are recommended to minimize caking/degradation potentials.

STORAGE

Store in well closed containers in a dry environment.

SHELF LIFE

The shelf life of this material is 2 years from the date of manufacture if stored in recommended conditions.

LOT CODE EXPLANATION

Example Lot: 2015042302
2015 = Year Manufactured: 2015
04 = Month Manufactured: April
23 = Date Manufactured
02 = 2nd Batch No. of the raw material xylose

NUTRITIONAL DATA

| Nutrient | Per 100 grams |
|-------------------|---------------|
| Energy (kcal) | 240 |
| Protein (g)* | 0 |
| All Fats (g) | 0 |
| Carbohydrates (g) | ≥99 |
| Sugars (g) | 0 |
| Dietary Fiber (g) | 0 |
| Cholesterol (mg) | 0 |
| Moister (g) | 0.2 |
| Sodium (g) | ≤0.1 |

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

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

