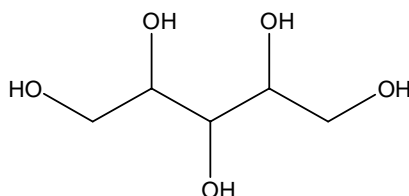




## XYLITOL SUPER FINE MESH

Product Code 775-2003

CAS No. [87-99-0]



Xylitol  
 $C_5H_{12}O_5$   
M.W. 152.15

### DESCRIPTION

APPEARANCE	White, crystalline powder
ORGANOLEPTIC PROPERTIES	Practically odorless with cool and very sweet taste

### PHYSICAL DATA

ASSAY (HPLC)	98.5% min. 101.0% max.
MELTING RANGE	92 – 96°C
PARTICLE SIZE	>100mesh (typically, see remark)
pH (10% w/v aq.)	5 - 7
SOLUBILITY	Soluble in water and sparingly soluble in ethanol
LOSS ON DRYING	<0.5% (0.5g of sample in vacuum over phosphorus at 60°C for 4 hours)
SULPHATED ASH	< 0.1%
REDUCING SUGARS	< 0.2%
OTHER POLYHYDRIC ALCOHOLS	< 1%
NICKEL	< 2mg/kg
ARSENIC	< 3mg/kg
LEAD	< 1mg/kg
HEAVY METALS	< 10mg/kg
CHLORIDES	< 100mg/kg
SULPHATES	< 200mg/kg

Relevant values are expressed on dry weight base  
Various mesh sizes can be provided according to the customer request

**Hong Kong:** Suite 1704, Chinachem Tower No. 34-37 Connaught Road, Central, Hong Kong  
Tel: (852)2527-1031; Fax: (852)2529-0231; Email: olcorp@hkstar.com  
**U.S.:** O'Laughlin Industries Inc., 150 Morris Ave Suite 207, Springfield, NJ 07081, Tel: (973)376-4600, Fax: (973)376-4630, Email: joeschreiber@olaughlin.us  
**Europe:** Aako B.V., Arnhemseweg 87, P.O. 205, 3830 AE Leusden, Holland; Tel: (31)33-4948494; Fax: (31) 33-4948044; Email: info-AAKO@e-mail.com  
**Japan:** O'Laughlin Finechemical Japan K.K., Bureau Ginza 903, 4-1-12 Tukiji, Chuo-ku, Tokyo, Japan 104-0045; TEL: 81-3-3541-8334; FAX: 81-3-3543-5101; Email: nicmiura@md.newweb.ne.jp  
**Brazil:** O'Laughlin South America, Rua Edward Joseph, 47 Sala 11 05709-020, São Paulo – SP - 04692-000-Brazil; Tel: 55-35017504; Fax: 55-11-35017534 ;Email: neusa.amorim@olaughlin.com.br



#### MICROBIOLOGY

Total plate count	< 100 cfu/g
Yeast and moulds	< 10 cfu/g
<i>E. coli</i>	Absent in 10g
<i>Salmonella</i>	Absent in 25g
Total coliforms	Absent in 1g
<i>Staphylococcus aureus</i>	Absent in 10g
Foreign matters, Contaminants	Absent

#### NUTRITIONAL VALUE

Energy	300kcal/100g
Protein	0g/100g
Carbohydrate	100.0g/100g
Fat	0g/100g
Sodium	1mg/100g

#### USES

As sweetener in flavors; in oral care products; as oral and intravenous nutrient; in anticaries preparations etc.

#### SAFETY DATA

Material Safety Data Sheet available upon request

#### LAST UPDATE

February 2005

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