



SPECIFICATION

| | |
|---------------|---|
| Product Name: | Xylitol |
| Formula | C ₅ H ₁₂ O ₅ |
| CAS | 87-99-0 |
| Molar weight | 152.15 g/mol |
| Melting Point | 92 - 96 °C |
| Solubility | soluble in water: 100g•l ⁻¹ |

Tests

Assay, on dry basis
Appearance
Taste
Odor

Specifications

≥ 98.5 %
White crystals or crystalline powder
Sweet, cool
No odour

HPLC

Identification

Solubility
Infrared absorption spectroscopy
Melting point
pH in aqueous solution

Soluble in water, sparingly soluble in ethanol
Comparison with a USP reference standard
92.0 – 96.0°C
5.0 – 7.0

FCC
FCC

Purity

Water
Conductivity
Reducing sugars
Other polyols
Nickel
Arsenic
Lead

≤ 1.0 %
≤ 20 µs/cm
≤ 0.2 %
≤ 1.0 %
≤ 2 mg/kg
≤ 3 mg/kg
≤ 1 mg/kg

Karl-Fischer
FCC
FCC
HPLC
FCC
FCC
FCC

Microbiological test

Total Plate count
Coliform
Yeast and Mould

≤ 100 cfu/g
Negative
≤ 100 cfu/g

GB 4789.2
GB 4789.3
GB 478915

Particle size

1700 µm (12 mesh)
1700 µm (12 mesh) – 710 µm (26 mesh)
710 µm (26 mesh)

≤ 5%
70 - 80 %
15 - 20 %

| | |
|--------------------|--|
| Packaging: | 25kg/bag with inner PE liner bags |
| Storage: | Xylitol should be stored under cool and dry conditions |
| Shelf life: | 2 years |