

**TECHNICAL DATA SHEET**

Effective date: 04.2019

Xylitol**INFORMATION ON SUBSTANCE / MIXTURE**

INCI	Xylitol
Chemical formula	C ₅ H ₁₂ O ₅
Manufacturing process	Biotechnologically produced by microorganisms like bacteria, fungi and yeasts by fermentation
Description	Xylitol is a naturally occurring five carbon sugar alcohol, equivalent to sucrose in sweetness
Molar weight	152.15

TECHNICAL DATA**Physical parameters**

Appearance	Solid, crystalline powder
Color	White
Odor	Odorless
Taste	Sweet, cool
Solubility	Very soluble in water (approximately 1.6 g/ml @ 20°C); sparingly soluble in ethanol.
Moisture	Max. 0.2 %
pH (10% w/v solution)	5.0 - 7.0
Ash/Residue on ignition	Max. 0.1 %
Melting point	92°C - 96°C
Particle size	> 2.4 mm = 0% - sieving method < 0.15 mm = max 7% - laser diffraction

Chemical parameters

Assay (on dry substance)	98.5 - 101.0
Other polyols (on dry substance)	Max. 0.5 % singly
Other polyols (on dry substance)	Max. 1.0 % total
Chloride	Max. 40 mg/kg

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Sulphate	Max. 50 mg/kg
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Contaminants

Arsenic	Max. 0.5 mg/kg
Heavy Metals	Max. 1 mg/kg
Lead	Max. 0.3 mg/kg
Nickel	Max. 1 mg/kg

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Keep in the original sealed packaging stored at temperatures below 25°C and relative humidity less than 65% (marginally hygroscopic)
Shelf Life	5 years, in closed packaging and the recommended conditions.
Custom tariff	-

LEGISLATION

Certification	-
EINECS	201-788-0
CAS	87-99-0

DISCLAIMER

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