

Specifications and Quality Standards of Xylitol

Identification \ Grade	FCC	USP	JP	BP/EP	E967
Assay %	98.5-101.0	98.5-101.0	≥98.0	98.0-102.0	≥98.5
Other Polyols %	≤1.0	≤2.0	-	≤2.0 (Related Substances)	≤1.0
Loss on Drying %	≤0.5 (Water)	≤0.5 (Water)	≤1.0	≤1.0(Water)	≤0.5
Residue on Ignition %	≤0.1	≤0.5	≤0.1	-	≤0.1 (Sulphated ash)
Reducing Sugar %	≤0.3	≤0.2	To pass test(Sugar)	≤0.2	≤0.2
Heavy Metal(asPb) %	-	≤0.001	≤0.0005	-	≤0.001
Nickel %	≤0.0001	-	To pass test	≤0.0001	≤0.0002
Lead %	≤0.0001	-	-	≤0.00005	≤0.0001
Acidity or Alkalinity	-	-	-	-	-
pH	-	-	5.0-7.0	-	5.0-7.0
Sulfate(as SO ₄) %	-	-	≤0.006	-	≤0.02
Chloride %	-	-	≤0.005	-	≤0.01
Arsenic (as As ₂ O ₃) %	-	-	≤0.00013	-	≤0.0003
Melting Range °C	-	-	93.0-95.0	92-96	92-96
Conductivity μs/cm	-	-	-	≤20	-
Identification Test	To pass test	To pass test	To pass test	Pass A, B and C	-
Bacterial Endotoxins I.U./g	-	-	-	≤2.5Iu(≥100g/l) ≤4.0Iu(≤100g/l)	-
Bacterial and Funji cfu/g	-	-	-	-	-
Escherichia Coli	-	-	-	-	-
Salmonella	-	-	-	-	-
Organic Volatile Impurities	-	Meets the requirement	-	-	-
Residual solvents	-	Meets the requirement	-	-	-
Consult Standard	FCC V	USP29	JP X IV	BP2005 / EP5	E967