

SHANDONG LUJIAN BIOLOGICAL TECHNOLOGY CO., LTD.

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Certificate of Analysis

Batch No.: 2020121130

Product Name	D-Xylose	Product Date	Dec 11, 2020
Analysis Date	Dec 11, 2020	Expiry date	Dec 10, 2022
ITEM	USP36	RESULT	
Identification	Meets the requirement	Confirm	
Appearance	White crystals	White crystals	
Assay (C ₅ H ₁₀ O ₅)	98.0-102.0%	99.36%	
Individual impurities	≤1.0%	<1.0%	
Total impurities	≤2.0%	0.64%	
Loss on drying	≤0.1%	0.08%	
Residue on ignition	≤0.05%	0.02%	
Optical rotation	+18.2+19.4°	+18.8°	
Ph in aqueous solution	3.0-6.0	5.79	
Heavy metals(as pb)	≤5µg/g	<5µg/g	
Arsenic(as as ₂ O ₃)	≤0.0002%	<0.0002%	
Iron(as Fe)	≤5µg/g	<5µg/g	
Sulfate	≤50ppm	<50ppm	
Transmittance (2.0g/10ml,in water)	≥95.0%	99.2%	
Total aerobic bacteria, CFU/g	≤1000	45	
Coliform,CFU/g	absent	absent	
Yeast &Mold, CFU/g	≤100	<10	
Conclusion	This product conforms to requirements of USP36; FOOD GRADE.		

Inspector: Song Wei