INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.
Phone: (908) 359-6778 • FAX: (908) 359-1179
website: www.indofinechemical.com
e-mail: chemical@indofinechemical.com

Certificate of Analysis

Catalogue Number	024312
Lot Number	002810-418031804
Product	D(+)-Xylose
	D-Xylopyranose
CAS Number	58-86-6
Molecular Formula	$C_5H_{10}O_5$
Molecular Weight	150.13

Appearance	White or almost white crystalline powder
Appearance of Solution	Clear and colorless solution
Solubility	Freely soluble in water, soluble in hot ethanol
Heavy Metals	< 5 mg/kg
Anion	Chloride: < 100 mg/kg
Cation	Iron: < 5 mg/kg
Water Content (Karl Fisher)	0.16%
pH	5.97
Acidity & Alkalinity	< 0.2 ml
Optical Rotation	$[a]_D^{20}$ = + 19.42°
Infrared Spectrum	Conforms to structure
Related Substances	Total organic impurities: < 2% Individual impurity: < 1%
Residue On Ignition	< 0.05%
Sulfated Ash	0.01%
Assay	99.06%
Grade	USP
Storage	Store at RT

Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP