



Version	00
Molecular weight	150.13
Molecular Formula	C5 H10 O5
CAS No	58-86-6
Linear Formula	
Flash Point (°C)	

## Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	14100	Quality Test / Release Date	08/27/2024
Lot Number	A0465732	Suggested retest date	08/27/2029
Description	D(+)-Xylose,99+%		
Country of Origin	CHINA		
Declaration of Origin	plant		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White to almost white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Infrared spectrum	Conforms	Conforms
HPLC	$\geq 99.0\%$ (ELSD)	99.9 % (CAD)
Water	$\leq 0.2\%$ (K.F.)	0.1 % (K.F.)
Heavy metals (as Pb)	$\leq 10$ ppm	$\leq 5$ ppm
Sulfated ash	$\leq 0.2\%$	$\leq 0.2\%$
Specific optical rotation	$+18.0^\circ$ to $+21.0^\circ$ (20°C, 589 nm) (c=10, H <sub>2</sub> O/NH <sub>3</sub> )	$+18.1^\circ$ (20°C, 589 nm) (c=10, H <sub>2</sub> O/NH <sub>3</sub> )

C. Wygaerts, QA Manager

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Acros Organics BV

ENA23, zone1, nr 1350, Janssen Pharmaceuticaaan 3a, B-2440 Geel, Belgium

Tel +32 14/57.52.11 - Fax+32 14/59.34.34 Internet: <https://www.thermofisher.com>

1 Reagent Lane, Fair Lawn, NJ 07410, USA Fax 201-796-1329