



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-283127
Lot Number: SAMPLE
Product Name: 2-Deoxy-L-ribose
CAS Number: 18546-37-7
Molecular Formula: $C_5H_{10}O_4$
Molecular Weight: 134.13

Test	Specification	Result
Appearance	White to off-white crystalline powder	Off-white crystalline powder
Identification (1H -NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 98\%$	99.4%
Melting Point		72.3 - 76.9 °C
Residue on Ignition	$\leq 1\%$	0.19%
Optical Rotation ($\alpha_{20/D}$)	+52° - +57° (c = 0.9, in D_2O , 24 hrs)	+53.5°
Water Content (KF)	$\leq 1\%$	0.74%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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