

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00613
Lot Number	002008-20210829004
Product	2-Deoxy-D-ribose 2-Deoxy-D-arabinose
CAS Number	533-67-5
Molecular Formula	C ₅ H ₁₀ O ₄
Molecular Weight	134.13

Appearance	White to off-white crystalline powder
Color (APHA)	< 100
Solubility	Complete and clear solution (5% aqueous solution)
Heavy Metals	< 10 ppm
Water Content (Karl Fisher)	0.26%
pH	7.37
Optical Rotation	[α] _D ²⁰ = -56.93 °
Infrared Spectrum	Conforms to structure
Loss on Drying	0.2%
Related Substances	Total impurity : 0.56%
Residue On Ignition	0.15% (600 °C)
Assay by titration	99.5%
Purity by HPLC	99.44%
Storage	Store at 0 - 8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager