

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

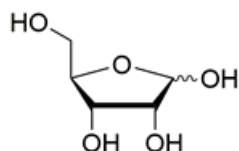
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 31942

Product **D(-)-Ribose**
 α -D-ribofuranose

CAS Number 50-69-1

Molecular Formula C₅H₁₀O₅

Molecular Weight 150.1

Appearance White crystalline powder

Clarity & Color Color of solution : ≤ 0.2 AU

Anion Chloride : $\leq 0.002\%$
Sulfate : $\leq 0.003\%$

Optical Rotation $[\alpha]_D^{20} = -22$ to -18°

Loss on Drying $\leq 0.5\%$

Related Substances Arabinose : $\leq 1\%$
Unspecified impurity : $\leq 0.1\%$
Total unspecified impurities : $\leq 1\%$

Residue On Ignition $\leq 0.2\%$

Assay 98 - 102% (On dry basis)

Grade Meets USP specification

Storage Store at 0-8 °C

Additional Information Identification :
A) Spectroscopic Identification Tests : Infrared Spectroscopy :
Conforms to structure
B) It meets the requirements in Specific Tests for Optical Rotation ,
Procedures, Specific Rotation.
C) The retention time of the major peak of the Sample solution
corresponds to that of the Standard solution, as obtained in the Assay.

For Laboratory Use Only