

Certificate of Analysis

SIGMA-ALDRICH

Product Name D-(-)-Ribose,
98%
Product Number R1757
Product Brand ALDRICH
CAS Number [50-69-1](#)
Molecular Formula C₅H₁₀O₅
Molecular Weight 150.13

TEST

SPECIFICATION

LOT S20559-336 RESULTS

QC Acceptance date

22-JAN-2004

OPTICAL ROTATION

-20.19DEGREES

**OPTICAL ROTATION -
CONCENTRATION**

C=4%, H₂O

**OPTICAL ROTATION -
TEMPERATURE**

20.0DEG C

APPEARANCE - COLOUR

WHITE

APPEARANCE - STATE

POWDER

**FT-IR SPECTROSCOPY -
FTIR SPECTRUM**

CONFORMS TO
REFERENCE

**FT-IR SPECTROSCOPY -
REFERENCE**

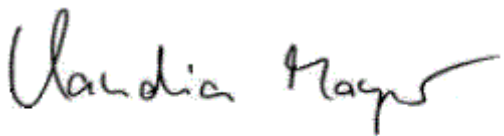
1(1), 189C

MELTING POINT

84.5-90.7 DEG C

**GAS CHROMATOGRAPHY
- PURITY**

99.53%



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