

# Certificate of Analysis

D-(+) GLUCOSE, 1G, NEAT

**SUPELCO**<sup>®</sup>  
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**Product ID** 47829  
**Lot** LRAB8922  
**MFG Date** May 2018  
**Expiration Date** May 2021  
**Storage Conditions** Room Temperature  
**Solvent/Matrix** NEAT  
**Molecular Formula** C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>  
**Molecular Weight** 180.16  
**CAS No.** 50-99-7

## PHYSICAL PROPERTIES

## ASSAY

Appearance  
FTIR  
PURITY

WHITE POWDER  
MATCHES: LAR  
99.9 % (AS IS BASIS)

LIB NO.: LRAB7785

## Sample Information

MilliporeSigma guarantees the purity of this chemical standard +/- 0.5% deviation prior to the expiration date shown on the label. This guarantee is exclusive of any contamination caused by the customer.


**INSTRUCTIONS FOR USE:** This is the anhydrous form. For USP applications dry at 105°C for 16 hours prior to use. For EP applications do not dry, use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user's location. Open slowly and carefully to avoid dispersion of the material. This material is intended for Laboratory Use only. Not for drug, household or other uses.

**METHOD:** HPLC  
**Column:** Supelcogel Ca, 300 x 7.8mm  
**Mobile Phase:** Water  
**Flow Rate:** 0.5 mL/min  
**Column Temperature:** 80 °C  
**Injection:** 20 µL  
**Detector:** Refractive Index @ 40 °C

**Traceability:** The standard was manufactured under an ISO/IEC 17025:2005 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically.

Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.



Robert O'Brien - Program Manager

**Certification Date** June 26, 2018  
**Version** -6262018



Mark Pooler - QA Supervisor

**Millipore  
Sigma**

2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA  
800-325-3010  
www.sigma-aldrich.com