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## CERTIFICATE OF ANALYSIS

PRODUCT: 100 ml  $0.0080 \pm 0.0002$  IU/ml Penicillin G Standard /  
80 ml  $0.0100 \pm 0.0003$  IU/ml Penicillin G Standard

LOT NUMBER: 30332B

EXPIRATION DATE: September 2023


ORDER CODE: PG008, PG008-5, PG008-10, PG008-20, PG01, PG01-5

DESCRIPTION: Contains  $0.80 \pm 0.01$  IU freeze dried penicillin G manufactured from official USP (U. S. Pharmacopeia) reference standard Penicillin G Potassium, catalog number 1502508, using analytical chemistry techniques. HPLC analysis determines that the production stock solution purity and concentration are within 6% of a fresh penicillin G potassium standard solution made directly from official USP Reference Standard. Finished product quality control approval is based on Charm II Beta-lactam Test and *B.stearothermophilus* Disc Assay testing within acceptable variation from a master control standard or a freshly made standard from USP Reference Standard Penicillin G Potassium. Shelf life studies, heat stress studies and frozen stability studies are performed to verify operator's manual claims.

PREPARATION: See operator's manual.

STORAGE: See operator's manual.

PREPARED BY: Sam Atoui

SIGNATURE: 

TITLE: Quality Assurance Documentation Manager

DATE: 11/05/2021

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