



CERTIFICATE OF ANALYSIS

GemPure™ Cell and Molecular Grade Water

(Catalog Number 901-004-1X6)

(Catalog Number 901-004-001)

Lot Number: M125055

Date of Manufacture: Jun2025

Storage Temperature: 2°C – 30°C

Product Expiry: Jun2027

For further Manufacturing or Research use only. Not for direct Therapeutic use.

Product Description: GemPure™ Cell and Molecular Grade Water - tested for use in cell culture and molecular biology applications.

| Test | Methodology | Specification | Analysis |
|--------------------------------|---------------------|----------------------------|------------------------|
| Appearance | Visual Inspection | Clear and colorless liquid | Clear colorless liquid |
| Biological Testing | | | |
| Endotoxin | USP <85>, EP 2.6.14 | < 0.25 EU/mL | <0.0100 EU/mL |
| Microbiological Testing | | | |
| Sterility | USP <71>, EP 2.6.1 | | |
| Bacteria | | No Growth | No Growth |
| Fungi | | No Growth | No Growth |
| Biochemistry Testing | | | |
| Total Organic Carbon | USP <643> | | |
| Before Packaging | | ≤ 500 ppb | 4.37 ppb |
| Packaged | USP <643> | ≤ 8000 ppb | 5180 ppb |
| Physical Testing | | | |
| pH @ 25°C | USP <791> | 4.0 – 7.0 | 5.55 |
| Conductivity @ 25°C | USP <645> | | |
| Before Packaging | | ≤ 1.3 µS/cm | 1 µS/cm |
| Packaged | | ≤ 5.0 µS/cm | 1.201 µS/cm |
| DNase | PCR/Fluorescence | None Detected | None Detected |
| RNase | PCR/Fluorescence | None Detected | None Detected |
| Protease | PCR/Fluorescence | None Detected | None Detected |

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and it has been confirmed that the testing meets the specifications presented on this Certificate of Analysis. This product was manufactured at 920 Stillwater Rd., Suite 130, West Sacramento, CA, U.S.A., which is an animal origin free facility. All final product processes/packaging were also performed at 920 Stillwater Rd., Suite 130, West Sacramento, CA, U.S.A., an animal origin free facility. This facility is ISO 13485:2016 certified.

Alejandra Peña
Name

31 JUL 2025
Date

QA Associate II
Title