



CERTIFICATE OF ANALYSIS

GemPure™ Cell and Molecular Grade Water (Catalog Number 901-004-001)

Lot Number: M123073

Date of Manufacture: Jul2023

Storage Temperature: 2°C – 30°C

Product Expiry: Jul2025

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 and colorless liquid
Biological Testing			
Endotoxin	USP <85>, EP 2.6.14	< 0.25 EU/mL	< 0.010 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	2.49 ppb
Packaged)		≤ 8000 ppb	5360 ppb
Physical Testing			
pH @ 25°C	USP <791>	4.0 – 7.0	5.9
Conductivity @ 25°C	USP <645>		
Before Packaging		≤ 1.3 μS/cm	0.091 μS/cm
Packaged		≤ 5.0 μS/cm	1.322 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.

Korrina Nicewonger
Name

06 MAY 2024
Date

QA Associate II
Title