



CERTIFICATE OF ANALYSIS

GemPure™ Cell and Molecular Grade Water

(Catalog Number 901-004-1X6)

(Catalog Number 901-004-001)

Lot Number: M123131

Date of Manufacture: Oct2023

Storage Temperature: 2°C – 30°C

Product Expiry: Oct2025

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	<0.0110 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	2.64 ppb
Packaged	USP <643>	≤ 8000 ppb	4330 ppb
Physical Testing			
pH @ 25°C	USP <791>	4.0 – 7.0	5.47
Conductivity @ 25°C	USP <645>		
Before Packaging		≤ 1.3 μS/cm	1 μS/cm
Packaged		≤ 5.0 μS/cm	1.684 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.

VANESSA YOUNG

Name

02May2024

Date

QA SPECIALIST

Title