



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			
Total Organic Carbon (Before Packaging)	USP <643>	≤ 500 ppb	2.49 ppb
Total Organic Carbon (Packaged)	USP <643>	≤ 8000 ppb	5360 ppb
Physical Testing			
pH @ 25°C	USP <791>	4.0 – 7.0	5.9
Conductivity @ 25°C (Before Packaging)	USP <644>, EP 2.2.38	≤ 1.3 μS/cm	0.091 μS/cm
Conductivity @ 25°C (Packaged)	USP <644>, EP 2.2.38	≤ 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.

Jacqueline Wilson
Name

31 JUL 2023
Date

QA Specialist
Title