



LifeScience Pharmaceuticals

Manufacturer Batch Test Report

Batch Reference: MFG-2024-0328

Product: Pharmaceutical Grade Sodium Chloride

Test Date: March 29, 2024

Testing Department: Quality Assurance Lab

Physical Characteristics Analysis

The physical characteristics of our Pharmaceutical Grade Sodium Chloride undergo meticulous evaluation to ensure consistent quality and performance. Our comprehensive testing protocols assess critical parameters that directly impact the material's pharmaceutical applications and manufacturing reliability.

Parameter	Specification	Test Result	Status
Appearance	White, crystalline powder	White, crystalline powder	✓ PASS
Particle Size	100-200 μm	190 μm	✓ PASS
Bulk Density	0.85-0.95 g/mL	0.92 g/mL	✓ PASS

Chemical Analysis

Our advanced chemical analysis employs precision techniques to verify the purity, composition, and chemical stability of sodium chloride. Each analytical test is conducted with stringent methodology to meet pharmaceutical-grade material requirements and ensure exceptional product quality.

Test	Specification	Result	Status
Purity	$\geq 99.5\%$	99.6%	✓ PASS
Moisture Content	$\leq 0.1\%$	0.08%	✓ PASS
Heavy Metals	≤ 10 ppm	5.5 ppm	✓ PASS
pH (1% Solution)	6.5-7.5	7.1	✓ PASS

Microbiological Testing

Microbiological testing is crucial in validating the safety and sterility of our pharmaceutical-grade sodium chloride. Our comprehensive screening process utilizes advanced detection methods to identify and eliminate potential microbial contamination, ensuring the highest standards of microbiological

purity.

Parameter	Specification	Result	Status
Total Aerobic Count	≤ 100 CFU/g	<15 CFU/g	✓ PASS
Total Yeast & Mold	≤ 10 CFU/g	<8 CFU/g	✓ PASS
Absence of Pathogens	Negative	Negative	✓ PASS

Certification

Tested By: Jane Doe, Senior Analyst
Reviewed By: Dr. Michael Chen, QA Director
Certification Date: March 29, 2024