



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name Nitric Acid (68% Aqueous Solution)
Product Number:NIT-20260210
Batch Number:NIT-SH2026021001
Brand:TECHPURE
CAS Number:7697-37-2
MDL Number:MFCD00011349
Formula:HNO₃ (Aqueous Solution)
Formula Weight:63.01 g/mol (Pure Substance)
Quality Release Date:10 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection
Concentration (w/w)	68.0 ± 1.0%	68.3%	%	Titration Method
Free Sulfuric Acid (as H ₂ SO ₄)	≤ 0.05%	0.02%	%	Turbidimetric Method
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 0.1 ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	≤ 1 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Non-Volatile Residue	≤ 0.05%	0.02%	%	Gravimetric Method
Density (20°C)	1.408-1.412 g/cm ³	1.410 g/cm ³	g/cm ³	Density Meter

Certification

This batch of product has been tested in accordance with industrial standards for nitric acid and meets all specified requirements. It is qualified for industrial and laboratory use.

Issue Date:10 FEB 2026