



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name Copper Sulfate (Pentahydrate, $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$)
Product Number CuSO4-20260221
Batch Number CuSO4-SH2026022101
Brand:TECHPURE
CAS Number 7758-98-7
MDL Number MFCD00149682
Formula $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Formula Weight 249.69 g/mol
Quality Release Date 21 FEB 2026

Test Results

Test	Specification (Industrial Grade)	Result	Unit	Test Method
Appearance (Color)	Blue	Blue	-	Visual Inspection
Appearance (Form)	Crystalline powder/crystals	Blue crystals	-	Visual Inspection
Purity ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ Content)	$\geq 99.0\%$	99.3%	%	Complexometric Titration
Water Insoluble Matter	$\leq 0.02\%$	0.006%	%	Gravimetric Method
Chloride (as Cl^-)	$\leq 0.02\%$	0.008%	%	Potentiometric Titration
Iron (Fe)	$\leq 0.01\%$	0.003%	%	Atomic Absorption Spectrometry (AAS)
Zinc (Zn)	$\leq 0.01\%$	0.002%	%	Atomic Absorption Spectrometry (AAS)
Lead (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.1 ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
pH Value (5% aqueous solution, 25°C)	3.5-4.5	4.0	-	Digital pH Meter

Certification

This batch of copper sulfate pentahydrate has been tested in accordance with GB/T 4372-2018 national industrial standards, and all test indicators meet the specified requirements. The product is qualified for industrial production, agricultural use and laboratory research.

Issue Date:21 FEB 2026