



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

### Product Information

Product Name Potassium Nitrate  
Product Number KNO-20260212  
Batch Number KNO-SH2026021201  
Brand SIGALD  
CAS Number 7757-79-1  
MDL Number MFCD00011401  
Formula  $\text{KNO}_3$   
Formula Weight 101.10 g/mol

Quality Release Date 12 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White	White	-	Visual Inspection
Appearance (Form)	Crystalline powder or granules	Crystalline powder	-	Visual Inspection
Purity ( $\text{KNO}_3$ )	$\geq 99.0\%$	99.6%	%	Gravimetric Method
pH Value (10% aqueous solution, 25°C)	5.5-8.0	6.8	-	Digital pH Meter
Moisture Content	$\leq 0.5\%$	0.2%	%	Karl Fischer Titration
Chloride ( $\text{Cl}^-$ )	$\leq 0.005\%$	0.003%	%	Silver Nitrate Titration
Sulfate ( $\text{SO}_4^{2-}$ )	$\leq 0.01\%$	0.006%	%	Barium Sulfate Gravimetry
Heavy Metals (Pb)	$\leq 0.001\%$	0.0004%	%	Atomic Absorption Spectrometry (AAS)
Sodium (Na)	$\leq 0.5\%$	0.3%	%	Flame Photometry
Insoluble Matter in Water	$\leq 0.01\%$	0.005%	%	Gravimetric Method

**Certification** This batch of product has been tested in accordance with industrial standards for potassium nitrate and meets all specified requirements. It is qualified for use.

**Issue Date: 12 FEB 2026**