

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	22853
Product	Strontium nitrate

Lot Number	000331-39388
	Strontium (II) nitrate (1:2)

CAS Number	Nitric acid, strontium salt
Molecular Formula	10042-76-9
	Sr(NO ₃) ₂

Molecular Weight	211.63
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Appearance	White crystals with chunks
Solubility	66 g in 100 mL at 20 °C in water
Melting Point	570 °C (Approx.)
Heavy Metals	0.5 ppm

Anion	Chloride (Cl ⁻): < 0.002%
	Sulfate (SO ₄ ²⁻): < 0.005%
Cation	Barium (Ba): 0.002%
	Calcium (Ca): < 0.0002%
	Magnesium (Mg): < 0.002%
	Sodium (Na): 0.004%
	Iron (Fe): 0.89 ppm

pH	5.56 (at 25 °C, 5% solution)
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Loss on Drying	< 0.04% (105 °C)
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Insoluble material	< 0.005%
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Assay by titration	100.6%
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Grade	ACS reagent
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Application	Used in preparation of strontium standard solutions. Preparation of Strontium Salts, pigments, manufacture of pyrotechnics for production of red color, signal lights, marine signals, railroad flares, in matches and inexpensive colorant for fireworks.
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Storage	Store at RT
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Certificate of Analysis

Catalog Number: 22853

Lot Number: 000331-39388

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager