

Chem-Impex International, Inc.

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825 Dillon Drive

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Certificate of Analysis

Catalogue Number	22789
Lot Number	000331-36031
Product	Barium nitrate

Nitric acid barium salt

Barium (II) dinitrate

CAS Number	10022-31-8
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Molecular Formula	Ba(NO ₃) ₂
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Molecular Weight	261.34
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Appearance	White crystalline powder
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Solubility	9.0 g in 100 mL at 20 °C in water
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Melting Point	592 °C (Approx.)
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Heavy Metals	< 5 ppm
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Anion	Chloride (Cl ⁻): < 5 ppm
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Cation	Calcium (Ca): 0.002% Potassium (K): 0.001% Sodium (Na): 0.001% Strontium (Sr): 0.004% Iron (Fe): < 2 ppm
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pH	5.40 (5% solution at 25 °C)
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Insoluble material	< 0.005%
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Assay by titration	99.7%
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Grade	ACS reagent
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Application	Preparation of other barium salts, optical glass and ceramic glazes, pyrotechnics (green light) fireworks, explosives & antiseptic preparation.
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Storage	Store at RT
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Additional Information	Identification: Passes test
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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