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Certificate of Analysis

Catalogue Number	30251
Lot Number	002154-2016-041-1
Product	Bismuth(III) nitrate pentahydrate

Bismuth nitrate pentahydrate

CAS Number	10035-06-0
Molecular Formula	$\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight	485.07

Appearance	White crystals
Solubility	Clear and colorless (10% in dil. Nitric acid)
Anion	Chloride (Cl^-): 0.00005% Sulfate (SO_4^{2-}): 0.005%

Cation	Calcium (Ca): 0.0008% Copper (Cu): 0.00011% Iron (Fe): 0.0007% Lead (Pb): 0.000066% Magnesium (Mg): 0.00048% Potassium (K): 0.00114% Silver (Ag): 0.00043% Zinc (Zn): 0.000039% Sodium (Na): 0.0016%
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Insoluble material	0.0026% (in Acid)
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Assay	99.32% (Ex. Bi)
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Grade	AR Grade
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Application	Convenient reagent for selective oxidation of sulfides to sulfoxides.
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Storage	Store at RT
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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