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Certificate of Analysis

Product **84869 - Bismuth (III) Nitrate Pentahydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 98.5% - [10035-06-0]**

Batch No **9473705**

Analysis Date 13-Jun-2024

Date of Manufacture June 2024

Expiry Date/Re-Test Date June 2029

Molecular Formula Bi(NO₃)₃.5H₂O

Molecular Weight 485.07

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP, Ph.Eur	Passes
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% solution in 5N HNO ₃	Clear	Clear
Solubility (Colour) 10% solution in 5N HNO ₃	Colourless	Colourless
Assay (EDTA Titration)	min. 98.5%	98.6%
Insoluble matter	max. 0.005%	0.002%
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.001%	Passes
Silver (Ag)	max. 0.001%	Passes
Copper (Cu)	max. 0.001%	Passes
Magnesium (Mg)	max. 0.002%	Passes
Heavy Metals (Pb)	max. 0.002%	Passes
Calcium (Ca)	max. 0.002%	Passes
Potassium (K)	max. 0.002%	Passes
Sodium (Na)	max. 0.002%	Passes
Zinc (Zn)	max. 0.001%	Passes
Arsenic (As)	max. 0.001%	Passes

FRM/82/11/4/84869 Rev No. 2 Date 05/07/2022

Prepared by Amruta

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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