

CERTIFICATE OF ANALYSIS

PRODUCT NAME : BISMUTH NITRATE (PENTAHYDRATE) AR

CAS No	: 10035-06-0	Product code	: 22337
Mol. Formula	: Bi(NO ₃) ₃ .5H ₂ O	Batch No	: MCRT-30215
Mol. WT	: 485.07	Mfd.	: Jan. 2024
Date of analysis	: 19/01/24	Exp.	: Dec. 2028

S.R	Test	Specification	Observation
1	Description	Colourless to white deliquescent crystals or crystalline powder.	White deliquescent crystalline powder.
2	Assay (ex Bi)	98.0% min.	98.14%
3	Insoluble matter	0.003% max.	0.002%
4	Chloride (Cl)	0.001% max.	<0.001%
5	Sulphate (SO₄)	0.02% max.	<0.02%
6	Ammonium (NH₄)	0.0025% max.	<0.0025%
7	Arsenic (As)	0.0001% max.	<0.0001%
8	Lead (Pb)	0.005% max.	<0.005%
9	Calcium (Ca)	0.005% max.	<0.005%
10	Iron (Fe)	0.001% max.	<0.001%
11	Copper (Cu)	0.002% max.	<0.002%
12	Potassium (K)	0.005% max.	<0.005%
13	Sodium (Na)	0.01% max.	<0.01%
14	Magnesium (Mg)	0.001% max.	<0.001%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Deepa)**

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

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