

**CERTIFICATE OF ANALYSIS**  
**QUALITY CONTROL LABORATORY**  
 of SDFCL Mfg. Unit No. 1  
 E27/ E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Maharashtra

<b>LAB. ID</b>	: RA/1920/166	<b>CERTIFICATE NO.</b>	: RA/1920/166
<b>NAME OF PRODUCT</b>	: BISMUTH NITRATE AR	<b>DATE OF ANALYSIS</b>	: 14.09.2019
<b>BATCH NO</b>	: I193/0113/1105/31	<b>SPECIFICATION REF</b>	: 20057SP00
<b>PRODUCT CODE</b>	: 20057	<b>RETEST DATE</b>	: AUGUST-2024
<b>MFG. DATE</b>	: SEPTEMBER-2019		

CASR NO : (10035-06-0)

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
	<b>Bi(NO<sub>3</sub>)<sub>3</sub>·5H<sub>2</sub>O</b>	<b>M.W. : 485.07</b>	
Description	Colourless deliquescent crystals with an odour of Nitric acid.	Complies.	Analar 8 <sup>th</sup> Edition
Solubility	10% solution in mixture of dilute nitric acid and water is clear and colourless.	Complies.	Analar 8 <sup>th</sup> Edition
Minimum Assay (Complexometric)	98.5%	99.08%	In-house

**MAXIMUM LIMIT OF IMPURITIES**

Insoluble matter	0.003%	< 0.003%	Analar 8 <sup>th</sup> Edition
Ammonium (NH <sub>4</sub> )	0.0025%	< 0.0025%	In-house
Arsenic (As)	0.0001%	< 0.0001%	In-house
Chloride (Cl)	0.001%	< 0.001%	Analar 8 <sup>th</sup> Edition
Sulphate (SO <sub>4</sub> )	0.02%	< 0.02%	ACS 10 <sup>th</sup> Edition
Calcium (Ca)	0.005%	0.000057%	ACS 10 <sup>th</sup> Edition
Copper (Cu)	0.001%	0.000032%	Analar 6 <sup>th</sup> Edition
Iron (Fe)	0.001%	0.000072%	Analar 6 <sup>th</sup> Edition
Lead (Pb)	0.005%	0.000063%	ACS 10 <sup>th</sup> Edition
Magnesium (Mg)	0.001%	0.0001%	ACS 10 <sup>th</sup> Edition

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF THE STANDARD AS STATED ABOVE.

Measured values given in this Certificate of Analysis are the results determined at the time of Analysis. The above data do not relieve the user from analysing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use can not be derived thereof.

**The results relate only to the sample tested.**

**This certificate shall not be reproduced except in full, without written consent of the Lab. management.**

**This product is manufactured at our manufacturing unit no. 1 (Boisar).**

**For S D FINE-CHEM LIMITED**

**Sampling SOP No.** : SDFCL-TAR-SWP-GEN-007  
**Sampling Plan** : A (Sq. root of N+1)  
**Spl. Ref. (if any)** : -

(Authorised Signatory)

..... END OF REPORT .....

(This is a computer printed report, valid without signature)