

**CERTIFICATE OF ANALYSIS**

**QUALITY CONTROL LABORATORY**

of SDFCL Mfg. Unit No. 1

E27/ E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Maharashtra

**LAB. ID** : RA/2122/378. **CERTIFICATE NO.** : RA/2122/378.  
**NAME OF PRODUCT** : BARIUM CARBONATE AR, ACS; Reag. Ph.Eur.  
**BATCH NO** : K213/3016/0612/31 **DATE OF ANALYSIS** : 09.11.2021  
**PRODUCT CODE** : 20046 **SPECIFICATION REF:** 20046SP03  
**MFG. DATE** : NOVEMBER-2021 **RETEST DATE** : OCTOBER-2026

CASR NO : (513-77-9)

BaCO<sub>3</sub>

M.W. : 197.34

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	A white powder.	Complies	ACS 10 <sup>th</sup> Edition
Solubility	10% soln. in dilute HCl and water is almost clear and colourless.	Complies	ACS 10 <sup>th</sup> Edition
Assay (by Complexometric, BaCO <sub>3</sub> )	99.0 - 101.0%	99.8%	In-house
<b>MAXIMUM LIMIT OF IMPURITIES</b>			
Substances insoluble in dilute hydrochloric acid	0.015%	Complies[<0.015%]	ACS 10 <sup>th</sup> Edition
Chloride (Cl)	0.002%	Complies[<0.002%]	ACS 10 <sup>th</sup> Edition
Sulphide (S)	0.001%	Complies[<0.001%]	Analar 8 <sup>th</sup> Edition
Calcium (Ca)	0.02%	0.0037%	ACS 10 <sup>th</sup> Edition
Iron (Fe)	0.001%	Complies[<0.001%]	Analar 6 <sup>th</sup> Edition
Heavy Metals (as Pb)	0.001%	Complies[<0.001%]	ACS 10 <sup>th</sup> Edition
Strontium (Sr)	0.3%	0.134%	ACS 10 <sup>th</sup> Edition
Sodium (as Na)	0.02%	0.0012%	ACS 10 <sup>th</sup> Edition
Potassium (as K)	0.005%	Complies[<0.005%]	ACS 10 <sup>th</sup> Edition
Oxidizing Substances (as NO <sub>3</sub> )	0.005%	Complies[<0.005%]	ACS 10 <sup>th</sup> Edition
Total of alkali (water soluble)	0.002 meq/g.	Complies[<0.002 meq/g]	ACS 10 <sup>th</sup> Edition
Substance not precipitated by sulphuric acid (SO <sub>4</sub> )	0.2%	0.0053%	In-house

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)