

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 : RM/2021/0653 **CERTIFICATE NO.** : 140920/05
NAME OF PRODUCT : POTASSIUM CHLORIDE AR
BATCH NO : I20A/0520/1409/31 **DATE OF ANALYSIS** : 13.09.2020
PRODUCT CODE : 20198 **SPECIFICATION REF.:** 20198SP03
MFG. DATE : SEPTEMBER-2020 **RETEST DATE** : AUGUST-2025

CASR NO : (7447-40-7)

KCl

M.W. : 74.55

| TEST | SPECIFICATIONS | RESULTS | TEST METHOD REF. |
|------------------------------------|--|--------------------------|--------------------------------|
| Description | Colourless crystals/crystalline | Complies | BP-2008 |
| Solubility | 10% solution in water is clear and colourless. | Complies | BP-2008 |
| Identification | Passes test. | Complies | IP-2007 |
| Minimum Assay | 99.5% | 99.55% | Analar 8 th Edition |
| pH of 5% w/v aq. solution | 5.0 - 8.0 | 6.73 | Analar 8 th Edition |
| Loss on drying (at 150°C) | Max. 0.2% | 0.15% | Analar 8 th Edition |
| MAXIMUM LIMIT OF IMPURITIES | | | |
| Insoluble matter | 0.003% | Complies [$<0.003\%$] | Analar 8 th Edition |
| Acidity (as HCl) | 0.003% | Complies [$<0.003\%$] | BP-2004 |
| Alkalinity (as KOH) | 0.005% | Complies [$<0.005\%$] | BP-2004 |
| Sulphate (SO ₄) | 0.003% | Complies [$<0.003\%$] | ACS 9 th Edition |
| Total Nitrogen (N) | 0.001% | Complies [$<0.003\%$] | ACS 9 th Edition |
| Arsenic (As) | 0.0001% | Complies [$<0.0001\%$] | IP-96 |
| Aluminium (Al) | 0.0001% | Complies [$<0.0001\%$] | ACS 10 th Edition |
| Barium (Ba) | 0.001% | Complies [$<0.001\%$] | ACS 9 th Edition |
| Bromide (Br) | 0.01% | Complies [$<0.01\%$] | BP-2008 |
| Iodide (I) | 0.002% | Complies [$<0.002\%$] | BP-2008 |
| Phosphate (PO ₄) | 0.0005% | Complies [$<0.0005\%$] | ACS 9 th Edition |
| Calcium (Ca) | 0.001% | Complies [$<0.001\%$] | In-house |
| Copper (Cu) | 0.0002% | Complies [$<0.0002\%$] | In-house |
| Iron (Fe) | 0.0002% | Complies [$<0.0002\%$] | ACS 9 th Edition |
| Lead (Pb) | 0.0002% | Complies [$<0.0002\%$] | ACS 9 th Edition |
| Magnesium (Mg) | 0.0005% | Complies [$<0.0005\%$] | ACS 10 th Edition |
| Magnesium & alkaline earth metals | 0.02% | Complies [$<0.02\%$] | BP-2004 |

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)