

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/2122/403 CERTIFICATE NO. : RA/2122/403
NAME OF PRODUCT : POTASSIUM CHLORIDE AR
Meets Analytical Specification of IP, BP, Ph.Eur
BATCH NO : K213/0416/1203/31 DATE OF ANALYSIS : 19.11.2021
PRODUCT CODE : 20198 SPECIFICATION REF.: 20198SP03
MFG. DATE : NOVEMBER-2021 RETEST DATE : OCTOBER-2026

CASR NO : (7447-40-7)

KCl

M.W. : 74.55

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	Colourless crystals/crystalline	Complies	BP
Solubility	10% solution in water is clear and colourless.	Complies	BP
Identification	Passes test.	Complies	BP
Minimum Assay	99.5%	99.93%	IP
pH of 5% w/v aq. solution	5.0 - 8.0	5.68	ACS
Loss on drying (at 150°C)	Max. 0.2%	0.2%	BP
MAXIMUM LIMIT OF IMPURITIES			
Insoluble matter	0.003%	Complies[< 0.003%]	ACS
Acidity (as HCl)	0.003%	Complies[< 0.003%]	BP
Alkalinity (as KOH)	0.005%	Complies[< 0.005%]	BP
Sulphate (SO ₄)	0.003%	Complies[< 0.003%]	IP
Total Nitrogen (N)	0.001%	Complies[< 0.003%]	SDFCL-TAR-LTP-009
Arsenic (As)	0.0001%	Complies[< 0.0001%]	IP
Aluminium (Al)	0.0001%	Complies[< 0.0001%]	SDFCL-TAR-LTP-007
Barium (Ba)	0.001%	Complies[< 0.001%]	ACS
Bromide (Br)	0.01%	Complies[< 0.01%]	BP
Iodide (I)	0.002%	Complies[< 0.002%]	BP
Phosphate (PO ₄)	0.0005%	Complies[< 0.0005%]	ACS
Calcium (Ca)	0.001%	Complies[< 0.001%]	ACS
Copper (Cu)	0.0002%	Complies[< 0.0002%]	SDFCL-TAR-LTP-007
Iron (Fe)	0.0002%	Complies[< 0.0002%]	IP
Lead (Pb)	0.0002%	Complies[< 0.0002%]	SDFCL-TAR-LTP-027
Magnesium (Mg)	0.0005%	Complies[< 0.0005%]	ACS
Magnesium & alkaline earth metals	0.02%	Complies[< 0.02%]	BP

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)