

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/2122/1724 **CERTIFICATE NO.** : 050322/05
NAME OF PRODUCT : **POTASSIUM IODIDE AR**
 : Meets Analytical Specification of IP, BP, USP, Ph. Eur.
BATCH NO : D22A/0522/0503/31 **DATE OF ANALYSIS** : 29.04.2022
PRODUCT CODE : 20212 **SPECIFICATION REF.** : 20212SP02
MFG. DATE : APRIL-2022 **RETEST DATE** : MARCH-2027

CASR NO : (7681-11-0)

TEST	SPECIFICATIONS	RESULTS	TEST METHOD
KI			
M.W. : 166.00			
Description	Colourless or white crystals /crystalline powder.	Complies	IP
Solubility	20% solution in water is clear and colourless up to 48 hours.	Complies	IP
Identification	Passes test.	Complies	IP
Minimum Assay (oxidimetric; after drying)	99.8%	100.19%	IP
Loss on drying (at 120°C)	Max. 0.5%	0.23%	BP
MAXIMUM LIMIT OF IMPURITIES			
Insoluble matter	0.003%	Complies[<0.003%]	SDFCL-TAR-LTP-001
Acidity (HI)	0.0065%	Complies[<0.0065%]	IP
Alkalinity (KOH)	0.012%	Nil	IP
Arsenic (As)	0.00001%	Complies[<0.00001%]	ACS
Chloride & bromide (Cl)	0.01%	Complies[<0.01 %]	ACS
Phosphate (PO ₄)	0.001%	Complies[<0.001 %]	ACS
Sulphate (SO ₄)	0.005%	Complies[<0.005%]	ACS
Nitrogen compounds (N)	0.001%	Complies[<0.001 %]	SDFCL-TAR-LTP-009
Barium (Ba)	0.001%	Complies[<0.001%]	IP
Calcium (Ca)	0.0005%	Complies[<0.0005%]	ACS
Copper (Cu)	0.0002%	Complies[<0.0002%]	SDFCL-TAR-LTP-007
Cyanide	Passes test.	Complies	IP
Iodate (IO ₃)	0.0002%	Complies[<0.0002%]	ACS
Iodine reducing substance	0.001%	Complies[<0.001 %]	SDFCL-TAR-LTP-035
Iron (Fe)	0.0002%	Complies[<0.0002%]	ACS
Heavy metals (as Pb)	0.0005%	Complies[<0.0005%]	ACS
Magnesium (Mg)	0.0005%	Complies[<0.0005%]	ACS
Thiosulphate	Passes test.	Complies	IP
Limit of nitrate, nitrite & ammonia	Passes test.	Complies	USP
Thiosulphate & barium	Passes test.	Complies	USP
Organic volatile impurities	Meets the requirement.	Complies	USP

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)