



Samrat Pharmachem Limited

Manufacturers & Exporters of Pharmaceutical Chemicals

Regd. Office & Factory

Plot No. A2/3444-3445, GIDC,
Phase 4, Ankleshwar - 393002,
Gujarat, India.
Tel : 91-7045456789 / 7046456789
Web : www.samratpharmachem.com

CIN : L24230GJ1992PLC017820

Corporate Office

701/702, Business Square,
M. A. Road, Andheri (West),
Mumbai – 400058, India.
Tel No.: 91-7507534567 / 8760345678
Email : contact@samratpharmachem.in

Certificate of Analysis

Date : 07-Nov-2024		Certificate No. : 23/07	
Name of Sample	: Potassium Iodide	Grade	: LR
Batch No.	: 24112307		
Batch Size	: 400.000 KGS		
Mfg. Month	: November-2024		
Retest Month	: October-2027		
HSN Code	: 28276010	CAS No. :	7681-11-0
		EC No. :	231-659-4

Test Parameters	Results	Standard Limits
Description	White crystalline powder	White crystalline powder
Assay (dry basis)	99.60 %	99.00% - 100.00%
Iodine Content	76.14 %	75.69% - 76.45%
pH (5% w/w in water)	7.70	6.00 - 9.20
Loss on Drying (110 Deg C, 2 hours)	0.29 %	0.20% - 0.50%
Iodate (IO3)	0.0000 %	0.0000% - 0.0003%
Sulphate (SO4)	0.001 %	0.001% - 0.015%
Heavy Metals (as Pb)	0.000 %	0.000% - 0.001%
Iron (Fe)	0.0000 %	0.0000% - 0.0005%

Test Result : PASSED

QCF/110008

WQ023LR

Approved By

Analyzed By



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Certificate of Analysis

Date : 20-Jul-2024		Certificate No. : 23/01	
Name of Sample	: Potassium Iodide	Grade	: AR
Batch No.	: 24072301		
Batch Size	: 500.000 KGS		
Mfg. Month	: July-2024		
Retest Month	: June-2027		
HSN Code	: 28276010	CAS No. :	7681-11-0
		EC No. :	231-659-4

Test Parameters	Results	Standard Limits
Description	White crystalline powder	White crystalline powder
Assay (Dry basis)	99.79 %	99.70% - 100.00%
Iodine Content	76.29 %	76.23% - 76.45%
pH (10% w/w in water)	7.50	6.00 - 8.00
Insoluble matter in water % w/w	0.00060 %	0.00000% - 0.00200%
Loss on Drying (110 Deg C, 2 hours)	0.16 %	0.15% - 0.20%
Chloride & Bromide (as Cl)	0.0020 %	0.0000% - 0.0500%
Iodate (IO3)	0.00000 %	0.00000% - 0.00020%
Phosphate (PO4)	0.00000 %	0.00000% - 0.00100%
Total Nitrogen (N)	0.00000 %	0.00000% - 0.00100%
Sulphate (SO4)	0.00070 %	0.00000% - 0.00200%
Arsenic (As)	0.00000 %	0.00000% - 0.00010%
Barium (Ba)	0.00000 %	0.00000% - 0.00100%
Calcium Group & Magnesium (Ca)	0.00000 %	0.00000% - 0.00100%
Copper (Cu)	0.00000 %	0.00000% - 0.00020%
Heavy Metals (as Pb)	0.00000 %	0.00000% - 0.00020%
Iron (Fe)	0.00000 %	0.00000% - 0.00030%
Sodium (Na)	0.020 %	0.000% - 0.050%

Test Result : PASSED

QCF/70050

WQ023AR

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Certificate of Analysis

Date : 16-Dec-2024		Certificate No. : 55/01	
Name of Sample	: Potassium Iodide	Grade : IP	
Batch No.	: 24125501		
Batch Size	: 500.00 KGS		
Mfg. Month	: December 2024		
Retest Month	: November 2027		
Drug Mfg.Lic. No.	: GJ/25/2625		
HSN Code	: 28276010	CAS No. : 7681-11-0	EC No. : 231-659-4

Test Parameters	Results	Standard Limits
Description	Colourless crystals or a white powder; odourless.	Colourless crystals or a white powder; odourless.
Identification		
Test A	Complies.	The solution gives the reactions of K ⁺ salts
Test B	Complies.	The solution gives the reactions of Iodide
Appearance of solution	Solution a is clear and colourless.	Solution a is clear and colourless.
Alkalinity	Complies.	No colour is produced on addition of phenolphthalein
Arsenic	Below the limit quantification	Max. 2ppm
Heavy Metals	Below the limit quantification	Max. 10ppm
Iron	Below the limit quantification	Max.20ppm
Barium	Complies.	No turbidity develops within one minute.
Cyanide	Complies.	No blue colour is produced.
Iodate	Complies.	No blue colour is produced within 2 minutes
Sulphate	70ppm	150 ppm
Thiosulphate	Complies.	A blue colour is produced
Loss on drying	0.30%	Note more than 1.0 %
Assay	99.45%	99.0 % to 100.5 %

Test Result : PASSED

QCF/120057

WQ055IPG

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Certificate of Analysis

Date : 29-Jun-2023		Certificate No. : 56/01	
Name of Sample	: Potassium Iodide	Grade : BP	
Batch No.	: 23065601		
Batch Size	: 500.00 KGS		
Mfg. Month	: May 2023		
Retest Month	: April 2026		
Drug Mfg.Lic. No.	: GJ/25/2625		
HSN Code	: 28276010	CAS No. : 7681-11-0	EC No. : 231-659-4

Test Parameters	Results	Standard Limits
Physical appearance	White or almost white powder or colour less crystals.	White or almost white powder or colour less crystals.
Solubility	Passes.	Very soluble in water freely soluble in glycerol soluble in ethanol (96 %)
Identification	Passes test K ⁺ & I ⁻	Give Positive Test For K ⁺ & I ⁻
A) Iodide	Complies	Gives the reactions of iodides.
B) Potassium	Complies	Gives the reactions of potassium.
Appearance of solution	Solution is clear & colourless.	Solution is clear & colourless.
Alkalinity	0.1ml of 0.01 M Hydrochloric Acid consumed.	NMT 0.5 ml of 0.01 M Hydrochloric Acid is required.
Iodate	Passes	No blue colour develops
Sulphate	70 ppm	NMT 150 ppm
Thiosulphate	Passes.	No turbidity develop within 1 minute
Iron	Complies.	NMT 20 ppm
Loss On Drying	0.28 %	NMT 1.0%
Assay by titration(On dried basis)	99.52 %	99% - 100.5%

Test Result : PASSED

QCF/120049

WQ056BPE

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Analyzed By



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Certificate of Analysis

Date : 30-Jun-2023		Certificate No. : 57/01	
Name of Sample	: Potassium Iodide	Grade : USP	
Batch No.	: 23065701		
Batch Size	: 500.00 KGS		
Mfg. Month	: May 2023		
Retest Month	: April 2026		
Drug Mfg.Lic. No.	: GJ/25/2625		
HSN Code	: 28276010	CAS No. : 7681-11-0	EC No. : 231-659-4

Test Parameters	Results	Standard Limits
Physical appearance	White or almost white powder or colour less crystals.	Hexahedral crystal, either transparent and colorless or somewhat opaque and white or a white granular powder.
Identification		
A) Iodide	Complies.	Meet the requirement of Iodide test.
B) Potassium	Complies.	Meet the requirement of potassium test.
Iodate	Passes	No blue colour develops
Limit of Nitrate, Nitrite and Ammonia	Complies.	No blue colour on the paper is discernible
Thiosulphate and Barium	Passes.	No turbidity develop within 1 minute
Loss On Drying	0.28 %	NMT 1.0%
Assay by titration (On dried basis)	99.52 %	99% - 101.5%

Test Result : PASSED

QCF/60049

WQ057USPE

Approved By

Analyzed By