



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 (IO ₃)	0.0000 %	0.0000% - 0.0003%
Sulphate (SO ₄)	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 : 22-Oct-2023		Certificate No. : 75/05	
Name of Sample	: Povidone Iodine	Grade: USP	
Batch No.	: 23107505		
Batch Size	: 500.00 KGS		
Mfg. Month	: October 2023		
Retest Month	: September 2026		
Drug Mfg.Lic. No.	: GJ/25/2625		
HSN Code	: 29333990	CAS No. : 25655-41-8	EC No. : 607-771-8

Test Parameters	Results	Standard Limits
Appearance	Yellowish brown to reddish brown amorphous powder having a slight, characteristic odor.	Yellowish brown to reddish brown amorphous powder having a slight, characteristic odor.
Solubility	Soluble in water & in alcohol practically insoluble in chloroform, carbon tetrachloride, ether, hexane & in acetone.	Soluble in water & in alcohol practically insoluble in chloroform, carbon tetrachloride, ether, hexane & in acetone.
Identification		
Test A	Complies.	A) A deep blue colour is produced.
Test B	Complies.	B) A brown, dry non-smearing film is formed and it dissolves readily in water.
Loss on drying	3.25%	NMT 8.0 %
Residue on Ignition	0.004%	NMT 0.025 %
Iodide	2.90%	NMT 6.6 %
Nitrogen contents (on dried basis)	10.90%	9.5% - 11.5 %
Assay for available iodine	11.70%	NLT 9.0 % and NMT 12.0 % of available iodine (I), calculated on dried basis.

Test Result : PASSED

QCF/100073

WQ074USPE

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Certificate of Analysis

Date : 08-Oct-2023		Certificate No. : 73/03
Name of Sample	: Povidone Iodine	Grade: BP
Batch No.	: 23107303	
Batch Size	: 500.00 KGS	
Mfg. Month	: October 2023	
Retest Month	: September 2026	
Drug Mfg.Lic. No.	: GJ/25/2625	
HSN Code	: 29333990	CAS No. : 25655-41-8 EC No. : 607-771-8

Test Parameters	Results	Standard Limits
Appearance	Yellowish-brown or reddish-brown, amorphous powder.	Yellowish-brown or reddish-brown, amorphous powder.
Solubility	Soluble in water and in ethanol (96 per cent), practically insoluble in acetone.	Soluble in water and in ethanol (96 per cent), practically insoluble in acetone.
Identification		
Test A	Complies	Infrared absorption spectrophotometry.
Test B	Complies	An intense blue colour is produced.
pH	3.0	1.5 to 5.0
Iodide	2.7%	Maximum 6.0 %
Loss on drying	3.10	Maximum 8.0 %
Sulphated ash	0.003%	Maximum 0.1 %
Assay for available iodine	11.80%	9.0 % to 12.0 %

Test Result : PASSED

QCF/100027

WQ073BPE

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Certificate of Analysis

Date : 22-Oct-2023		Certificate No. : 76/06	
Name of Sample	: Povidone Iodinated	Grade: EP	
Batch No.	: 23107606		
Batch Size	: 500.00 KGS		
Mfg. Month	: October 2023		
Retest Month	: September 2026		
Drug Mfg.Lic. No.	: GJ/25/2625		
HSN Code	: 29333990	CAS No. : 25655-41-8	EC No. : 607-771-8

Test Parameters	Results	Standard Limits
Appearance	Yellowish-brown or reddish-brown, amorphous powder.	Yellowish-brown or reddish-brown, amorphous powder.
Solubility	Soluble in water and in ethanol (96 per cent), practically insoluble in acetone.	Soluble in water and in ethanol (96 per cent), practically insoluble in acetone.
Identification		
Test A	Complies.	Infrared absorption spectrophotometry.
Test B	Complies.	An intense blue colour is produced.
pH	2.90	1.5 to 5.0
Iodide	2.8%	Maximum 6.0 %
Loss on drying	3.0%	Maximum 8.0 %
Sulphated ash	0.002%	Maximum 0.1 %
Assay for available iodine	11.70%	9.0 % to 12.0 %

Test Result : PASSED

QCF/100074

WQ076EPE

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