



# 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

<b>Date : 24-Aug-2024</b>	<b>Certificate No. : 28/10</b>
Name of Sample : <b>Sodium Iodide</b>	Grade : LR
Batch No. : 24082810	
Batch Size : 500.000 KGS	
Mfg. Month : August-2024	
Retest Month : July-2027	
HSN Code : 28276020	CAS No. : 7681-82-5
	EC No. : 231-679-3

Test Parameters	Results	Standard Limits
Description	White crystalline powder	White crystalline powder
Assay	99.32 %	98.50% - 100.00%
Iodine Content	84.09 %	83.81% - 84.66%
Solubility	Passes.	Freely soluble in water, Passes.
Identification	Complies.	Should pass the identification test for sodium and iodide, Complies.
Ph (5% w/v in water)	7.80	6.00 - 9.00
Loss on Drying (110 Deg C, 2 hours)	0.29 %	0.15% - 0.50%
Water Content by KF	0.61 %	0.60% - 2.00%
Iodate (IO <sub>3</sub> )	0.00000 %	0.00000% - 0.00030%
Sulphate (SO <sub>4</sub> )	0.00100 %	0.00050% - 0.01500%
Heavy Metals (as Pb)	0.00000 %	0.00000% - 0.00100%
Iron (Fe)	0.00010 %	0.00010% - 0.00050%

**Test Result : PASSED**

QCF/80077

WQ028LR

Approved By

Analyzed By



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## Certificate of Analysis

Date : 26-Jun-2023		Certificate No. : 61/01	
Name of Sample	: Sodium Iodide	Grade : USP	
Batch No.	: 23066101		
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
Description	A white crystalline powder is deliquescent in moist air	A white crystalline powder is deliquescent in moist air
Identification		
Test A	Complies	Meets the requirements of the tests for Sodium
Test B	Complies	Meets the requirements of the tests for Iodides
Alkalinity	Complies.	No Red colour is produced
Iodates	Complies	NMT 4 ppm
Sulphate	80ppm	Maximum 150 ppm
Limit of Nitrate, Nitrite & Ammonia	Complies.	No blue coloration of the paper is discernible
Thiosulphate & Barium	Complies.	No turbidity develops within 1 minute.
Potassium	Complies.	Should be test pass as per USP.
Water determination	0.65%	0.50 % - 2.0 %
Assay(On Anhydrous Basis )	99.40	99.0 to 100.5 %

**Test Result : PASSED**

QCF/60036

WQ061USPG

Approved By

Analyzed By



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## Certificate of Analysis

Date : 30-Jun-2023		Certificate No. : 60/01	
Name of Sample	: Sodium Iodide	Grade	: BP
Batch No.	: 23066001		
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
Description	White or almost white, crystalline powder or colourless crystals, hygroscopic.	White or almost white, crystalline powder or colourless crystals, hygroscopic.
Solubility	Very soluble in water, freely soluble in ethanol (96 per cent).	Very soluble in water, freely soluble in ethanol (96 per cent).
Identification		
Test A	Complies	A.gives the reactions of iodides
Test B	Complies	B.gives the reactions of sodium
Appearance of Solution		Solution clear and colourless.
Alkalinity	0.1ml	NMT 0.7 ml of 0.01M HCL.is required to change the colour of indicator
Iodates	Complies	No blue colour develops
Sulphate	80ppm	Maximum 150 ppm
Thiosulphates	Complies	A blue colour is produced.
Iron	4ppm	Maximum 20 ppm
Loss on drying	0.30 %	Maximum 3.0 %
Assay	99.40	99.0 to 100.5 % (dried substance)

**Test Result : PASSED**

QCF/60055

WQ060BPG

Approved By

Analyzed By