

G. AMPHRAY LABORATORIES

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CERTIFICATE OF ANALYSIS

NAME OF PRODUCT	: SODIUM IODIDE BP / EP	DATE OF RECEIPT	: 12.05.2008
BATCH NUMBER	: S-014/09	DATE OF ANALYSIS	: 12.05.2008
DATE OF MANUFACTURE	: MAY, 2008	SAMPLE SIZE	: 100 GRAMS
DATE OF EXPIRY	: APRIL, 2013	Q.C. NO.	: G-08/241
QUANTITY	: 850 KGS		

RESULTS OF ANALYSIS

TESTS	RESULTS	LIMITS
Description	A white crystalline powder, hygroscopic.	A white crystalline powder, hygroscopic.
Solubility	Complies.	Very soluble in water, freely soluble in alcohol.
Identification Test A : Test B :	Complies. Complies.	Gives reaction of Iodides. Gives reaction of Sodium.
Appearance of Solution	Complies.	A 10 % w/v solution in carbondioxide free water is clear and colourless.
Alkalinity	0.20 ml of 0.01 M HCL	Not more than 0.7 ml of 0.01 M HCL.
Iodates	Complies	No blue colour develops
Sulphates	< 150 ppm	Not more than 150 ppm
Thiosulphates	Complies	A blue colour is produced.
Heavy Metals	< 10 ppm	Not more than 10 ppm.
Iron	< 20 ppm	Not more than 20 ppm.
Loss on Drying	0.35 %	Not more than 3.0 %
Assay (On Dried Basis)	99.86 % of NaI	Between 99.0 % to 100.5 %

ADDITIONAL TESTS

1) Particle Size On Tyler Machine :

MESH	% PASSING THROUGH
16	100.00 %
20	96.60 %

2) Bulk Density after 50 Tapped = 1.70 g / ml.

REPORT: The above batch sample complies with the prescribed standards of quality as per BP 2007 / EP 2004.

Certified True Copy
For G. AMPHRAY LABORATORIES

AUTHORISED SIGNATORY

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CERTIFICATE OF ANALYSIS

NAME OF PRODUCT	: SODIUM IODIDE USP	Q. C. No.	: G-07/1619
BATCH NUMBER	: S-041/08	DATE OF EXPIRY	: December, 2012
DATE OF MANUFACTURE	: Januay, 2008.	DATE OF ANALYSIS	: 27.01.2008
QUANTITY	: 600 Kgs.	DATE OF RECEIPT	: 27.01.2008
SAMPLE SIZE	: 100 Gms.		

RESULTS OF ANALYSIS

TESTS	RESULTS	LIMITS	
Description	A white crystalline powder is deliquescent in moist air.	A white crystalline powder is deliquescent in moist air.	
Solubility	Complies.	Very soluble in water, freely soluble in glycerin and in alcohol.	
Identification	Complies	Meets the requirements of the tests for Sodium & for Iodides.	
Alkalinity	Complies.	No Red colour is produced.	
Water	0.37 %	Not more than 2.0 %.	
Iodate	< 4 µ g / g	Not more than 4 µ g / g	
Limit of Nitrate, Nitrite & Ammonia	Complies	No blue colouration of the paper is discernible.	
Thiosulphate & Barium	Complies	No turbidity develops within 1 minute.	
Potassium	Complies	As per USP Test Yields no precipitate	
Heavy Metals	< 0.001 %	Not more than 0.001 %	
Organic Volatile Impurities	In our process we do not use any organic solvent so there is no possibility of any organic volatile impurities being present in the product.	Chloroform	NMT 60µ g / g
		1,4Dioxane	NMT 380 µ g / g
		Methylene Chloride	NMT 600 µ g / g
		Trichloroethylene	NMT 80 µ g / g
Assay (On Anhydrous Basis)	99.94 %	Between 99.0 % to 101.5 %	

ADDITIONAL TEST

1) Particle Size On Tyler Machine :

MESH	% PASSING THROUGH
16	100.00 %
20	99.54 %

2) Bulk Density after 50 Tapped = 1.71 g/ml

REPORT: THE ABOVE BATCH SAMPLE COMPLIES WITH THE PRESCRIBED STANDARDS OF QUALITY AS PER USP 26.

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AUTHORISED SIGNATORY