

G. AMPHRAY LABORATORIES

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CERTIFICATE OF ANALYSIS

Name of Product	:	POTASSIUM IODIDE BP /EP	Q. C. No.	:	G-06/1739
Batch No.	:	P-254/07	Date of Receipt	:	18.03.2007
Date of Mfg.	:	March, 2007	Date of Analysis	:	18.03.2007
Date of Exp.	:	February, 2012	Q. C. No.	:	G-07/1687
Batch Size	:	1,300 KGS.			

RESULT OF ANALYSIS

TESTS	RESULTS	LIMITS
Description	A white crystalline powder.	A white crystalline powder.
Solubility	Complies	Very soluble in water, freely soluble in glycerol, soluble in alcohol.
Identification		
Test A :	Complies	Gives reaction of Iodides.
Test B :	Complies	Gives reaction of Potassium.
Appearance of Solution	Complies	A 10% w/v solution in carbon dioxide free water is clear and colourless.
Alkalinity	0.12 ml of 0.01 M HCL.	Not more than 0.5 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	0.34 %	Not more than 1.0 %
Assay (On Dried Basis)	99.85 % of KI	Between 99.0 % to 100.5 %

Additional Tests

1) Particle Size on Tyler Machine :

MICRON	MESH	% PASSING THROUGH
	16	100 %
	20	99.20 %

2) Bulk Density after 50 Tapped = 1.68 g/ml

REPORTS : THE ABOVE BATCH COMPLIES WITH THE PRESCRIBED STANDARDS OF QUALITY AS PER B.P. 2007 / E.P. 2004.

Certified True Copy
For G. AMPHRAY LABORATORIES

AUTHORISED SIGNATORY

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CERTIFICATE OF ANALYSIS

Product	: POTASSIUM IODIDE USP	Q. C. No.	: G-06/1129
Batch No.	: P-206 / 08	Date of Receipt	: 27.11.2007
Date of Mfg.	: November, 2007	Date of Analysis	: 27.11.2007
Date of Exp.	: October, 2012.	Sample Size	: 100 GMS.
Quantity	: 260 Kgs.		

RESULTS OF ANALYSIS

TESTS	RESULTS	LIMITS	
Description	A white crystalline Powder.	A white crystalline powder.	
Solubility	Complies	Very soluble in water, freely soluble in glycerin, soluble in alcohol.	
Identification	Complies	Meets the requirements of the tests for Potassium and for Iodides.	
Alkalinity	Complies	No colour is produced	
Loss on Drying	0.49 %	Not more than 1.0%	
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.	
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 1,4 Dioxane Methylene Chloride Trichloroethylene	NMT 60 µ g / g NMT 380 µ g / g NMT 600 µ g / g NMT 80 µ g / g
Assay (On Dried Basis)	99.25 % of KI	Between 99.0% to 101.5%	

ADDITIONAL TESTS

1) Particle size on Tyler Machine

MESH	% PASSING THROUGH
16	100 %
20	99.10 %

2) Bulk Density after 50 Tapped = 1.68 g/ml

REPORT: THE ABOVE BATCH SAMPLE COMPLIES WITH THE PRESCRIBED STANDARDS OF QUALITY AS PER USP 31.

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