

G. AMPHRAY LABORATORIES

CERTIFICATE OF ANALYSIS

Product : **POTASSIUM IODIDE BP**
Batch No. : P-220/07
Date of Mfg. : January, 2007.
Date of Exp. : December, 2011.
Quantity : 1,400 Kgs.

Q. C. No. : G-06/1338
Date of Receipt : 04.01.2007
Date of Analysis : 04.01.2007
Sample Size : 100 GMS.

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 : Test B :	Complies Complies	Gives reaction of Iodides. Gives reaction of Potassium.
Appearance of Solution	Complies	A 10% w/v solution in carbon dioxide free water is clear and colourless.
Alkalinity	0.14 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	0.58 %	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

MESH	% PASSING THROUGH
16	100 %
20	99.30 %

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

REPORT: THE ABOVE BATCH COMPLIES WITH PRESCRIBED STANDARDS OF QUALITY AS PER BP 2002.

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FOR G. AMPHRAY LABORATORIES



AUTHORISED SIGNATORY