

# G. AMPHRAY LABORATORIES

## CERTIFICATE OF ANALYSIS

Product : **POTASSIUM IODIDE USP**  
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.

### 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	0.58 %	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)	99.91 % of KI	Between 99.0% to 101.5%

### 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 SAMPLE COMPLIES WITH THE PRESCRIBED STANDARDS OF QUALITY AS PER USP 26.**

Certified True Copy  
For G. AMPHRAY LABORATORIES

  
AUTHORISED SIGNATORY