

# G. AMPHRAY LABORATORIES

E-mail : [info@amphray.com](mailto:info@amphray.com)

Sambava Chambers, 4<sup>th</sup> Floor, Sir P. M. Road, Mumbai – 400 001, INDIA.

Web : [www.amphray.com](http://www.amphray.com)

## CERTIFICATE OF ANALYSIS

NAME OF PRODUCT	: PIPERAZINE HEXAHYDRATE BP	DATE OF RECEIPT	: 02.04.2007
BATCH NUMBER	: PHH-009/07	DATE OF ANALYSIS	: 02.04.2007
DATE OF MANUFACTURE	: MARCH, 2007.	SAMPLE SIZE	: 100 GRAMS
DATE OF EXPIRY	: FEBRUARY, 2012.	Q.C. NO.	: G-07/005
QUANTITY	: 1,000 KGS.		

## RESULTS OF ANALYSIS

Characters	: A colourless deliquescent crystals.	
Solubility	: Freely soluble in water and in alcohol.	
Identification	: Second Identification :	
	Test (B) : Complies	
	Test (C) : The melting point of crystals after drying at 100 ° C to 105 ° C is 194.0 ° C.	
	( Limit : 191 ° C to 196 ° C )	
Appearance of Solution	: 5 % w/v solution "S" is clear and not more intensely coloured than reference solution B8.	
Melting Point	: 42.9 ° C	( Limit : About 43 ° C )
pH	: 10.86	( Limit : 10.5 to 12.0 )
Related Substances	: Complies	( Limit : NMT 0.25 % )
Heavy Metals	: Complies	( NMT : 20 PPM )
Sulphated Ash	: 0.029 %	( NMT : 0.1 % )
Assay	: 99.24 %	( Limit : 98.0 % to 101.0 % )

### ADDITIONAL TEST :

Bulk Density after 50 Tapped : 0.66 g / ml

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

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AUTHORISED SIGNATORY