

G. AMPHRAY LABORATORIES

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CERTIFICATE OF ANALYSIS

Product	:	PROPYL PARABEN BP / USP / EP	Date of Anlaysis	:	07.09.2008
Batch No.	:	709253 P	Exp. Date	:	AUGUST, 2013.
Date of Mfg.	:	SEPTEMBER, 2008.	Q C No.	:	325
Quantity	:	1,000 Kgs.			

RESULT OF ANALYSIS

TETS	RESULT	SPECIFICATIONS
Characters/ Description and Solubility	White, crystalline powder and Complies	Small, colourless crystals or white powder; very slightly soluble in water, freely soluble in alcohol and in ether; slightly soluble in boiling water.
Identification		
A) IR Absorption	Absorption spectrum concordant with Propyl Parahydroxy Benzoate Reference Standard.	IR Absorption spectrum should concordant with the spectrum obtained with Propyl Parahydroxy Benzoate Reference Standard.
B) TLC (BP Method)	The principal spot in the chromatogram obtained with test solution (b) iss similar in position and size to the principal spot in the chromatogram obtained with reference solution (b)	The principal spot in the chromatogram obtained with test solution (b) is similar in position and size to the principal spot in the chromatogram obtained with reference solution (b).
C) Colour Test (BP Method)	Solution (a) develops an orange to red colour and solution (b) develops an yellow to orange brown.	When treated with sodium carbonate, aminopyrazolone and potassium ferricyanide solutions. Solution (a) develops an orange to red colour and solution (b) develops an yellow to orange-brown.
D) Melting Point	99 ° C	96 ° C to 99 ° C (Test as per BP)
Melting Range	96.2 ° C to 99 ° C	96 ° C to 99 ° C
Appearance of Solution	Clear , and less intensely coloured than reference solution BY ₆ .	10 % W/V solution is clear and not more intensely coloured than reference solution BY ₆ (Test as per BP)
Acidity	0.03 ml of 0.1 N Sodium Hydroxide Solution consumed.	Not more than 0.1 ml of 0.1 N Sodium Hydroxide solution required to change the colour of the indicator to blue.
Related Substances	Less than 0.1 %	Not more than 0.5 %
Residue on Ignition	0.016 % w/w	Not more than 0.1 % w/w/
Organic Volatile Impurities	Complies	Test as per USP
Assay	100.02 % w/w	Propyl Paraben contains not less than 98.0 % w/w and not more than 102.0 % w/w of C ₁₀ H ₁₂ O ₃

ADDITIONAL TESTS

Particle size	Mesh No. 60	:	93 % Passing through
	Mesh No. 100	:	82 % Passing through
	Mesh No. 200	:	33 % Passing through
Bulk Density	Tapped	:	0.89 g/ml
	Untapped	:	0.48 g/ml

REPORT : THE MATERIAL COMPLIES WITH RESPECT TO B.P 2007 / USP 30 / EP5 SPECIFICATIONS.

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AUTHORISED SIGNATORY