

G. AMPHRAY LABORATORIES

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CERTIFICATE OF ANALYSIS

Product	: METHYL PARABEN BP / USP / EP	Date of Analysis	: 07.09.2008
Batch No.	: 809276 M	Exp. Date	: AUGUST, 2013.
Date of Mfg.	: SEPTEMBER, 2008.	Q C No.	: 445
Quantity	: 1,000 Kgs.		

RESULT OF ANALYSIS

TETS	RESULT	SPECIFICATIONS
Characters / Description and Solubility	White, crystalline powder, slightly soluble in water; freely soluble in Alcohol and in Methanol.	A White, crystalline powder, or colourless crystals, slightly soluble in water, freely soluble in Alcohol and in Methanol.
Identification A) IR Absorption	Absorption spectrum concordant with Methyl Paraben Reference Standard.	IR absorption spectrum concordant with the spectrum obtained with Methyl Paraben Reference Standard.
B) TLC (BP Method)	The principle 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)	The principle 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	128 ° C	125 ° C to 128 ° C (Test as per BP)
Melting Range	126.2 ° C to 128 ° C	125 ° C to 128 ° 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 .
Acidity	0.03 ml of 0.1 N Sodium Hydroxide solution consumed.	Not more than 0.1 ml of 0.1N Sodium Hydroxide solution required to change the colour of the indicator to blue.
Residue on Ignition	0.017 % w/w	Not more than 0.1 % w/w
Related Substances	Less than 0.1 %	Not more than 0.5 %
Organic Volatile Impurities	Complies	Test as per USP
Assay	99.96 % w/w	Methyl Paraben contains not less than 98.0 % w/w/ and not more than 102.0 % w/w of C ₈ H ₈ O ₃

ADDITIONAL TESTS

Particle size	:	Mesh No. 60	:	94 % Passing through
		Mesh No. 100	:	65 % Passing through
		Mesh No. 200	:	25 % Passing through
Bulk Density	:	Tapped	:	0.79 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