



WUHU HUAHAI BIOLOGY ENGINEERING CO.,LTD

NO.1 XIAJIA HU ROAD, SANSHAN ECONOMIC AREA, WUHU, CHINA

CERTIFICATE OF ANALYSIS

Chemical Name	Methyl P-Hydroxybenzoate	
Product Name	Methyl Paraben	
Production Date	FEB 25,2026	Expiry Date: FEB 24,2029
Batch No.	20260225	Edition: USP43
Quantity	1000KG	Analysis Date: FEB 25,2026
Item	Specification	Test Results
Appearance	Colourless crystals or white crystalline powder/Small colorless crystals or white powder	white crystalline powder
Solubility	Freely soluble in ethanol (95%), in alcohol, in ether and in methanol; slightly soluble in boiling water.	Passed
Identification		
A. Melting Point, °C.	125 °C-128 °C.	127.11
B. IR	Pass	Passed
C. TLC	Examine the chromatograms obtained in the test for related substances. The principle spot in the chromatogram obtained with test solution (b) is similar in position and size to the principle spot In the chromatogram obtained with reference solution (b).	Passed
D. Colour test	Pass	Passed
Appearance of solution /Colour of solution	A 10% w/v solution in ethanol (95%) is clear and Not more intensely coloured than reference solution BY6/not more intensely colored than matching fluid C	Passed
Acidity	Not more than 0.1 ml of NaOH Solution required to change the color.	Passed
Related substances by HPLC	Impurity A : NMT 0.5 %.	0.14%
	Unspecified impurity : NMT 0.5%	0.13
	Total impurity : NMT 1.0%	0.27%
Residual Solvent. Methanol	≤3000 ppm	Passed
Sulphated Ash	≤0.1%	0.031%
/Residue on ignition		
Assay by HPLC (as C ₈ H ₈ O ₃)	98.0 % - 102.0 %.	99.29%
Loss on drying	≤0.5%	0.13%
Pb	≤2 ppm	<2ppm
Microorganism	≤30UFC/g	<30UFC/g
Mold and Yeasts	≤10UFC/g	<10UFC/g
Pathogens	Absence	Absence

CONCLUSION: THE ABOVE RESULTS MEETS USP 43 STANDARD

