

SAMPLE

Certificate of Analysis

Product: METHYL PARABEL NF/BP
Package Size: 55.115 LB DRUM

Certification Date:
Manufacture Date:
Recertification Date:

Lot Number:

THE FOLLOWING VALUES HAVE BEEN PROVIDED BY THE MANUFACTURER OF THIS PRODUCT.

Characteristic	Specification	Result
Description	Colorless crystals or white crystalline powder/small colorless crystals or white powder	White powder
Solubility	Freely soluble in ethanol (96percent) in alcohol, in ether and in methanol; slightly soluble in boiling water	Complies
Identification		
A. Melting point °C	125°C to 128°C	126.8°C
B. IR	Pass	Passes
C. TLC	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. (a)	Complies
Color test	Passes test	Passes
Appearance of solution/color of solution	A 10% w/v solution in ethanol (96 percent) is clear and not more intensely colored than reference solution BY6/not more intensely colored than matching fluid G.	Complies
Acidity	Not more than 0.1 ml of 0.1M NaOH solution required to change color.	0.05 ml of 0.1 M NaOH solution
Related substances by HPLC	Impurity A: NMT 0.5% Unspecified impurity: NMT 0.5% Total impurity: NMT 1.0%	Not detected Not detected Not detected
Residual solvent	Method IV <467> meets the requirements. (USP/NF)	324 ppm
Methanol	NMT 3000 ppm	
Sulphated Ash/Residue on ignition	Not more than 0.1%	0.04%
Assay by HPLC (as C ₈ H ₈ O ₃)	98.0% to 102.0%	99.71%