

THE GWALIOR FOREST PRODUCTS LTD.
CERTIFICATE OF ANALYSIS



Date: 01.10.2013

Product : Methoxsalen USP COA No. : 0276
 Batch : AM-13-0276 Quantity : 02 Kg.
 Manufacturing Date : September, 2013 Expiry Date : August, 2016

Parameter	Specification	Result
Description	White to pale yellow crystals or crystalline powder. It is odorless.	Complies
Solubility	Practically insoluble in water, soluble in chloroform, partly soluble in methanol	Complies
Identification	IR Spectra should match with standard.	Complies
Melting Range	143°C to 148°C	146°C
Water w/w	Not more than 0.5%	0.13 %
Heavy Metals	Not More than 0.002%	Complies
Residue on ignition w/w	Not more than 0.1%	0.04%
Chromatographic Impurities (by TLC)	Not more than 1.0%	Complies
Assay (By HPLC)	Not less than 98.0% and not more than 102.0 % of 8- MOP calculated on the anhydrous basis.	99.34 %
Residual Solvents	Toluene Not more than 890 ppm	10 ppm
	n-Hexane Not more than 290 ppm	08 ppm
	Methanol Not more than 3000 ppm	2100 ppm
Microbiological Purity	Bacteria Not more than 10 ⁵ cfu/g	Complies
	Yeasts & Moulds Not more than 10 ² cfu/g	Complies
	Staphylococcus aureus Absent	Absent
	Escherichia Coli. Absent	Absent
	Pseudomonas aruginosa Absent	Absent

REMARKS: The above sample complies/~~does not complies~~ with the specifications laid down in the USP..

Prepared by	Approved by
Signature <u>H.K.S.</u>	Signature <u>[Signature]</u>
Date <u>01.10.13</u>	Date <u>01.10.13</u>