



THE GWALIOR FOREST PRODUCTS LTD

CERTIFICATE OF ANALYSIS

Date 12-08-2016

Product : Methoxsalen USP COA No. : 0077
 Batch : AM -16-0077 Quantity : 2.0Kg.
 Manufacturing Date : May;2016 Expiry Date : April;2019

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 ⁰ C to 148 ⁰ C	145 ⁰ C
Water w/w	Not more than 0.5%	0.19%
Heavy Metals	Not More than 0.002%	Complies
Residue on ignition w/w	Not more than 0.1%	0.03%
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.	98.99 %
Residual Solvents	Toluene Not more than 890 ppm n-Hexane Not more than 290 ppm Methanol Not more than 3000 ppm	39 ppm <10 ppm 789 ppm
Microbiological Purity	Bacteria Not more than 10 ³ cfu/g Yeasts & Moulds Not more than 10 ² cfu/g Staphylococcus aureus Absent Escherichia Coli. Absent Pseudomonas aruginosa Absent	Complies Complies Absent Absent Absent

REMARKS: The above sample complies with the specifications laid down in the USP, 39th Edition.

Prepared by: Signature <u>[Signature]</u> Date <u>12/08/16</u>	Reviewed by: Signature <u>[Signature]</u> Date <u>12-08-16</u>	Approved by: Signature <u>[Signature]</u> Date <u>12.08.16</u>
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