



KUMAR ORGANIC PRODUCTS LIMITED


Plot No.94 P,103 & 104
Pharma SEZ, KIADB industrial area
H N Pura Road, Hassan, Karnataka-573201

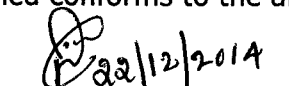
CERTIFICATE OF ANALYSIS


Substance Name	: Chloroxylenol USP (PCMX)		
Trade name	: Kopxylenol	Batch No	: K057/14/12/002
Analytical Report No	: 04/KH/14/00013	Mfg. Month	: Dec. 2014
Date of Analysis	: 17/12/2014	Expiry. Month	: Nov. 2016
Quantity Being Dispatched	: Sample	CAS No.	: 88-04-0

Sl. No.	Test	Specification	Results
1.	Appearance	White crystals or crystalline powder.	White crystalline powder
2.	Odour	Characteristic	Characteristic
3.	Solubility	Freely soluble in alcohol, in ether diethyl ether) and in solution of alkali hydroxides; very slightly soluble in water.	Complies
4.	Identification (by IR)	Should match with standard	Conforms
5.	Melting Range	Between 114 °C and 116 °C	114 - 116°C
6.	Water by (Karl Fischer)	Not more than 0.5% w/w	0.05% w/w
7.	Residue on ignition	Not more than 0.1% w/w	0.04% w/w
8.	Iron	Not more than 0.01%	<0.01%
9.	Related Compounds 1. 2- Chloro -3,5 dimethyl phenol 2. 3,5 dimethyl phenol 3. Any individual impurity 4. Total impurity	Not more than 0.2% Not more than 0.5% Not more than 0.5% Not more than 1.5%	0.16% 0.02% 0.10% 0.28%
10.	Assay By GC	Not less than 98.5%	99.4%
11.	Residual solvents 1. Ethyl acetate 2. Hexane	Not more than 5000 ppm Not more than 290 ppm	169.1 ppm 176.8 ppm

Remarks: The sample mentioned conforms to the above specifications.


Analyzed By
(QC-Chemist)


Checked By
(QC-Asst. Manager)


Approved By
(QA-Manager)