



Samrat Pharmachem Limited

Manufacturers & Exporters of Pharmaceutical Chemicals

Regd Office & Factory

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Certificate of Analysis

Date : 29-Nov-2021		Certificate No. : 40/02
Name of Sample	: Clioquinol	Grade : USP
Batch No.	: 21124002	
Batch Size	: 500.000 KGS	
Mfg. Month	: November 2021	
Retest Month	: October 2024	

Test Parameters	Results	Standard Limits
Appearance	Yellowish grey powder	Almost white, light yellow, brownish yellow or yellowish grey powder
Description	Passes	Voluminous, spongy, yellowish - white to brownish -yellow powder, having a slight, characteristic odor .Melts at about 180 ⁰ C
Solubility (As per Ph.Eur.)	Passes	Sparingly soluble in methylene chloride, very slightly soluble or slightly soluble in ethanol (96%)
Solubility (As per USP)	Passes	Soluble in hot ethyl acetate and in hot glacial acetic acid.
Identification		
A) UV (As per Ph.Eur.)	Complies	Maxima at 255nm ,The specific absorbance at this maxima is 1530 to 1660
B) IR (As per Ph.Eur.)	Complies	IR spectrum of sample is concordant with that of the reference standard
C) Iodine (As per Ph.Eur./USP)	Complies	Iodine fumes are produce
D) Chloride (As per Ph.Eur.)	Complies	A dark green colour produce
E) GC (As per USP)	Complies	The retention time of sample chromatogram is same as that of standard chromatogram
F) UV (As per USP)	Complies	absorptivity not more than 3.0%
Acidity or Alkalinity (As per Ph.Eur.)	Complies	Not more than 0.5 ml of 0.01 M NaOH is required to change the color of the indicator to pink
Halides (As per Ph.Eur.)	Complies	Maximum 140 ppm
Loss on drying (As per Ph.Eur./USP)	0.27 %	Maximum 0.5 %
Sulphated Ash (As per Ph.Eur.)	0.004%	Maximum 0.1 %
Residue on Ignition (As per USP)	0.007 %	Not more than 0.5 %
Free Iodine & Iodide (As per USP)	Complies	Not more than 0.05 % of Iodide



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Related Substances (As per Ph.Eur)		
Impurity A	Less than 2.0%	Not more than 2.0 %
Impurity B	Less than 1.0%	Not more than 1.0 %
Impurity C	Less than 1.0%	Not more than 1.0 %
Unspecified Impurities	Passes	For each impurity NMT 0.10 %
Unspecified Impurities	Passes	Maximum 3.0 %
Assay		
Assay by Potentiometric (As per Ph.Eur.)	99.75%	NLT 98.0% and NMT 102.0 % on dried basis

Test Result : PASSED

QCF/110088

WQ040

Approved By

ISO Doc No. : QCI/F/01/4

Analyzed By