



Samrat Pharmachem Limited

Manufacturers & Exporters of Pharmaceutical Chemicals

Regd. Office & Factory

Plot No. A2/3445, GIDC, Phase 4,
Ankleshwar - 393 002,
Gujarat, India.
Tel : 91-7045456789 / 7046456789
Web : www.samratpharmachem.com

CIN : L24230GJ1992PLC017820

Corporate Office

701/702, Business Square,
M. A. Road, Andheri (West),
Mumbai – 400 058, India.
Tel No.: 91-7507534567 / 8760345678
Email : contact@samratpharmachem.in

Certificate of Analysis

Date : 24-Nov-2022	Certificate No. : 40/01
Name of Sample : Clioquinol	Grade :
Batch No. : 22114001	
Batch Size : 250.000 KGS	
Mfg. Month : November-2022	
Retest Month : October-2025	
HSN Code : 29332990	CAS No. : 130-26-7
	EC No. : 204-984-4

Test Parameters	Results	Standard Limits
Description	Voluminous	Voluminous, spongy, yellowish -white to brownish -yellow powder, having a slight, characteristic odor.
Solubility	Passes.	Soluble in hot ethyl acetate and in hot glacial acetic acid. Practically insoluble in water and in alcohol, Passes.
Free Iodine & Iodide (As per USP)	Complies.	Not more than 0.05 % of Iodide, Complies.
A) UV (As per Ph.Eur.)	Complies.	Maxima at 255nm, The specific absorbance at this maxima is 1530 to 1660, Complies.
B) IR (As per Ph.Eur.)	Complies.	IR spectrum of sample is concordant with that of the reference standard, Complies.
C) Iodine (As per Ph.Eur./USP)	Complies.	Iodine fumes are produced, Complies.
D) Chloride (As per Ph.Eur.)	Complies.	A dark green colour produced, Complies.
E) GC (As per USP)	Complies.	The retention time of sample chromatogram is same as that of standard chromatogram, Complies.
F) UV (As per USP)	Complies.	absorptivity not more than 3.0%, Complies.
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, Complies.
Halides (As per Ph.Eur.)	Complies.	Maximum 140 ppm, Complies.
Loss on drying (As per Ph.Eur./USP)	0.29 %	0.20% - 0.50%
Sulphated Ash (As per Ph.Eur.)	0.00 %	0.00% - 0.10%
Residue on Ignition (As per USP)	0.00 %	0.00% - 0.50%
Related Substances (As per Ph.Eur.)		
Impurity A	0.55 %	0.50% - 2.00%
Impurity B	0.21 %	0.20% - 1.00%



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Impurity C	0.25 %	0.20% - 1.00%
Unspecified Impurities	0.00 %	0.00% - 0.01%
Unspecified Impurities	0.00 %	0.00% - 3.00%
Assay by Potentiometric (As per Ph.Eur.)	99.57 %	98.00% - 102.00%
Assay by GC (As per USP)	99.34 %	93.00% - 100.50%
Additional tests (In-house)		
Particle size	Passes.	~ 100 % passing through 20 mesh, Passes.
Bulk density	Passes.	~ 0.29 g/ml (Approx.), Passes.

Test Result : PASSED

QCF/110070

WQ040

Approved By

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

Analyzed By