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 produce,Complies.
D) Chloride (As per Ph.Eur.)	Complies.	A dark green colour produce,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