



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: 91-7507534567 / 8760345678
Email: contact@samratpharmachem.in

Certificate of Analysis

Date : 04-Jan-2024		Certificate No. : 68/01	
Name of Sample	: Clioquinol	Grade: USP	
Batch No.	: 24016802		
Batch Size	: 500.00 KGS		
Mfg. Month	: January 2024		
Retest Month	: December 2026		
Drug Mfg.Lic. No.	: GJ/25/2625		
HSN Code	: 29332990	CAS No. : 130-26-7	EC No. : 204-984-4

Test Parameters	Results	Standard Limits
Description	Voluminous, spongy, yellowish -white to brownish -yellow powder, having a slight,characteristic odor.	Voluminous, spongy, yellowish -white to brownish -yellow powder, having a slight,characteristic odor.
Solubility	Soluble in hot ethyl acetate and in hot glacial Acetic Acid	Soluble in hot ethyl acetate and in hot glacial Acetic Acid
Identification		
A) Iodine	Complies	Iodine fumes are produce
B) GC	Complies.	The retention time of sample chromatogram is same as that of standard chromatogram
C) UV	0.25%	Absorptivities not more than 3.0%
Impurities (Residue on Ignition)	0.06%	Not more than 0.5 %
Loss on drying	0.27%	Not more than 0.5 %
Free Iodine and Iodide	0.002%	Not more than 0.05 % Iodide.
Assay by GC	97.95%	NLT 93.0 % and NMT 100.5 % Clioquinol

Test Result : PASSED

QCF/10008

WQ068USPE

Approved By

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

Analyzed By



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Certificate of Analysis

Date : 27-Jun-2023	Certificate No. : 62/01
Name of Sample : Clioquinol	Grade: IP
Batch No. : 23066201	
Batch Size : 500.00 KGS	
Mfg. Month : June 2023	
Retest Month : May 2026	
Drug Mfg.Lic. No. : GJ/25/2625	
HSN Code : 29332990	CAS No. : 130-26-7
	EC No. : 204-984-4

Test Parameters	Results	Standard Limits
Description	A yellowish white to brownish yellow powder, odour, faint and characteristic.	A yellowish white to brownish yellow powder, odour, faint and characteristic.
Solubility	Passes.	Practically insoluble in water, sparingly soluble in methylene chloride, very slightly soluble or slightly soluble in ethanol (96 per cent).
Identification	Passes test A, B & C	Should be test A, B, C pass as per IP.
Acidity or alkalinity	Complies.	The solution is colourless and not more than 0.05 ml of 0.1M sodium hydroxide is required to change the colour of the solution to pink.
Free iodine	Complies.	Should be test passes as per IP.
Halide ions	Complies.	Any opalescence produced is not more than obtained by adding 0.5 ml of 0.1 M AgNO ₃ .
Related substance	Complies.	Should be test passes as per IP.
Sulfated Ash	0.008%	Note more than 0.2 %
Loss on drying	0.29%	Note more than 0.5 %
Assay	98.90%	97.0 % to 103.0 % (calculated on dried substance)

Test Result : PASSED

QCF/60075

WQ062IPG

Approved By

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

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Certificate of Analysis

Date : 06-Jan-2024		Certificate No. : 64/02	
Name of Sample	: Clioquinol	Grade: BP	
Batch No.	: 24016402		
Batch Size	: 500.00 KGS		
Mfg. Month	: January 2024		
Retest Month	: December 2026		
Drug Mfg.Lic. No.	: GJ/25/2625		
HSN Code	: 29332990	CAS No. : 130-26-7	EC No. : 204-984-4

Test Parameters	Results	Standard Limits
Appearance	Almost white, light yellow, brown-yellow or yellowish-grey powder.	Almost white, light yellow, brown-yellow or yellowish-grey powder.
Solubility	Practically insoluble in water, sparingly soluble in methylene chloride, very slightly soluble or slightly soluble in ethanol (96 %).	Practically insoluble in water, sparingly soluble in methylene chloride, very slightly soluble or slightly soluble in ethanol (96 %).
Identification	A. Complies. B. Complies C. Complies. D. Complies.	A. Maxima at 255nm, the specific absorbance at this maxima is 1530 to 1660 B. IR spectrum of sample is concordant with that of the reference standard. C. Iodine fumes are produced. D. A dark green colour produce
Acidity or Alkalinity	0.1ml of 0.01 M NaOH consumed	Not more than 0.5 ml of 0.01 M NaOH is required to change the color of the indicator to pink
Related Substances		
Impurity A	0.09%	NMT 2.0%
Impurity B	0.05%	NMT 1.0%
Impurity C	0.07%	NMT 1.0%
Unspecified Impurities	0.005%	NMT 0.1%
Unspecified Impurities	0.85%	NMT 3.0%
Halides	70ppm	Maximum 140 ppm, expressed as chlorides
Loss on drying	0.25%	Maximum 0.5 %
Sulfated Ash	0.004%	Maximum 0.1 %
Assay by Potentiometric	99.15%	98.0 % to 102.0 % (dried substance)

Test Result : PASSED

QCF/10008

WQ064BPE

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Certificate of Analysis

Date : 07-Jan-2024	Certificate No. : 66/02
Name of Sample : Clioquinol	Grade: EP
Batch No. : 24016602	
Batch Size : 500.00 KGS	
Mfg. Month : January 2024	
Retest Month : December 2026	
Drug Mfg.Lic. No. : GJ/25/2625	
HSN Code : 29332990	CAS No. : 130-26-7
	EC No. : 204-984-4

Test Parameters	Results	Standard Limits
Appearance	Almost white, light yellow, brown-yellow or yellowish-grey powder.	Almost white, light yellow, brown-yellow or yellowish-grey powder.
Solubility	Practically insoluble in water, sparingly soluble in methylene chloride, very slightly soluble or slightly soluble in ethanol (96 %).	Practically insoluble in water, sparingly soluble in methylene chloride, very slightly soluble or slightly soluble in ethanol (96 %).
Identification	A. Complies. B. Complies C. Complies. D. Complies.	A. Maxima at 255nm, the specific absorbance at this maxima is 1530 to 1660 B. IR spectrum of sample is concordant with that of the reference standard. C. Iodine fumes are produced. D. A dark green colour produce
Acidity or Alkalinity	0.1ml of 0.01 M NaOH consumed	Not more than 0.5 ml of 0.01 M NaOH is required to change the color of the indicator to pink
Related Substances		
Impurity A	0.09%	NMT 2.0%
Impurity B	0.05%	NMT 1.0%
Impurity C	0.07%	NMT 1.0%
Unspecified Impurities	0.005%	NMT 0.1%
Unspecified Impurities	0.85%	NMT 3.0%
Halides	70ppm	Maximum 140 ppm, expressed as chlorides
Loss on drying	0.25%	Maximum 0.5 %
Sulfated Ash	0.004%	Maximum 0.1 %
Assay by Potentiometric	99.15%	98.0 % to 102.0 % (dried substance)

Test Result : PASSED

QCF/10010

WQ066EPE

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