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 : 30-Nov-2021		**Certificate No. : 40/03**
Name of Sample	: Clioquinol	Grade :
Batch No.	: 21124003	
Batch Size	: 500.000 KGS	
Mfg. Month	: November 2021	
Retest Month	: October 2024	

Test Parameters	**Results**	**Standard Limits**
Description	Passes	Voluminous, spongy, yellowish - white to brownish -yellow powder, having a slight, characteristic odor .Melts at about 180^0 C
Solubility	Passes	Soluble in hot ethyl acetate and in hot glacial acetic acid. Practically insoluble in water and in alcohol.
Melting Point		About 180°C
Free Iodine & Iodide (As per USP)	Complies	Not more than 0.05 % of Iodide
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)	0.28 %	Maximum 0.5 %
Sulphated Ash (As per Ph.Eur.)	0.005%	Maximum 0.1 %
Residue on Ignition (As per USP)	0.006 %	Not more than 0.5 %
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.)	99.59%	NLT 98.0% and NMT 102.0 % on dried basis
Assay by GC (As per USP)	99.30%	NLT 93.0% and NMT 100.5% on dried basis
Additional tests (In-house)		
Particle size	Complies.	~ 100 % passing through 20 mesh
Bulk density	Complies.	~ 0.29 g/ml (Approx.)

Test Result: PASSED QCF/110092 WQ040