ITEM

WORKING STANDARD CERTIFICATE

QUALIFICATION OF WORKING STANDARD

: ARTESUNATE Ph.Int.

EVALUATED WITH

BATCH No.

DATE OF QUALIFICATION 05.09.2015

05.09.2015
Store between 2°C to 8°C in well closed container. Protect from DIRECTION FOR STORAGE

DIRECTION FOR USE Use as such. VALIDITY OF USE 04.09.2017 WS/C/A91/04 WORKING STANDARD No.

A.R.N	KING STANDARD NO. Io. RCE B. No.	: W5/C/A91/04 : PG1514848 : HW140168 SOURCE A.R.No.:PE1406549	PAGE 1 OF 1
REFE	RENCE: PROTOCOL No.: WP/Ph.	Int./WS/C/A91/01	1
Sr. No.	TESTS	STANDARDS	• RESULTS
1)	DESCRIPTION	A fine, white crystalline powder.	Complies
2)	IDENTIFICATION A)* By Infrared Spectrophotometry	The infrared spectrum of the sample is concordant with the spectrum obtained from the similar determination of Artesunate RS or with reference spectrum of Artesunate.	Complies
3)	SPECIFIC OPTICAL ROTATION	Not less than + 4.50° and Not more than + 6.50°, calculated on anhydrous basis.	+ 5,60°
4)	SULFATED ASH	Not more than 1.00 mg/g.	0.39 mg/g.
5)	WATER	Not more than 5.00 mg/g.	0.20 mg/g.
6)	*RELATED SUBSTANCES (By HPLC)	Impurity A : Not more than 1.0 % Impurity B : Not more than 0.50 % Impurity C : Not more than 0.20 % Single maximum unknown impurity : Not more than 0.20 % Total Impurities : Not more than 2.0 %	0.1 Not Detected Below LOD (0.011%) • 0.08 0.2
7)	*ASSAY (By HPLC)	Artesunate contains not less than 96.0 % w/w and not more than the equivalent of 102.0 % w/w of C19H28O8, calculated with reference to the anhydrous substance.	99.6 % w/w
8)	^RESIDUAL SOLVENTS (By GC)	METHOD-I Methanol :Not more than 2000 ppm Ethyl acetate :Not more than 1500 ppm Tetrahydrofuran :Not more than 500 ppm METHOD-II Triethylamine :Not more than 320 ppm Other class 1, 2, 3 residual solvents and other organic solvents: Meets the requirement of other class 1,2 and 3 residual solvents as per USP chapter <467> and no other organic solvents are present.	228 ppm Not detected Below LOD (7ppm) Not detected Complies
9)	PURITY (By Mass balance method)	On as such basis	99.7 %
		On anhydrous bas	99.7 %

REMARKS: *Test/s qualified with IPCRS. All other tests comply with International pharmacopoeia, and certified to be used as Working Standard.

: Third party may store as per specification.

HEAD QUALITY CONTROL

LAB QA HEAD

DATE:

050912015

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