ESKAYEF BANGLADESH LIMITED



400 ,Tongi Industrial Area, Squibb Road, Tongi, Gazipur. Phone:0088-02-9802127-8; Fax: 0088 – 02 - 9801859

QUALITY ASSURANCE

CERTIFICATE OF ANALYSIS Working Standard					
Name of the Material	ame of the Material Alfuzosin Hydrochloride				
Code number	WS0005		Standardization Against	0.1 M HClO ₄	
QC Reference No.	RT131365		Reference Standard/Working Standard Batch No.		NA
RR No.	RM-U05-13-0942		Reference Standard/Working Standard Potency:		NA
Batch No.	PAFZP30006		RR No.		NA
Mfg. Date	05/13,		Mfg. Date		NA
Exp. Date	29/04/18		Exp. Date		NA
Preparation Date	paration Date 22/02/14				
'/alid up to	21/02/15 (Container 1 to 4)				
Valid up to	21/05/15 (Contain	ner 5)			
	7		BP	SK+F	Result

Si. No. Test		BP Specification	SK+F Specification	Result	
166 m	Description	White or almost white, crystalline powder, slightly hygroscopic.	Same	Almost white crystalline powder, slightly hygroscopic.	
2	Identification	Must meet (A & B)	Same	Positive	
3	Loss on Diving	NMT 2.00 %	Same	0.21%	
4	Potency	98.50 –101.00 % on AB	Same	99.83% as it is 100.04% on AB	

Remarks: Ok.

ceference: Book - 262; Page - 194.



1 22.12.14

Prepared by (Md. Rafigul Islam) Sr. Asst. Quality Control Manager Nusraet 22.02.14

Checked by (Nusrat Sultana) Quality Control Executive Jan 22/02/14

Approved by (A.K.M. Shafiq-ul-Islam) Sr. Quality Control Manager



Plot No. 197, Sector -1. Pithampur - 454 775, Dist. - Ditar (M.P.) INDIA, Tel. No. : 07292-416600, 416601 Fax No. : 07292-416605, Website : www.unichemlabs.com

CERTIFICATE OF ANALYSIS

(API)

API Name

ALFUZOSIN HYDROCHLORIDE Ph. Eur.

API Code

10000101

A.R. No.

: 040000068635

Batch No.

PAFZP30006

Batch size

: 30.60 KG

Mfg. Date

Sampled by

: MT

MAY. 2013,

Retest Date

APR. 2018 /

Date of sampling

19.06.2013

Date of Report

28.06.2013

Spec. No.

: CQA/APIS/AFZ02/04

STP No.

: CQA/APISTP/AFZ02/02

Batch Qty.

: 30,400 KG

Sr. No.	TESTS	SPECIFICATIONS	RESULTS		
01	Characters				
	A white or almost white, crystalline powder, slightly hygroscopic.		Almost white, crystalline powder, slightly hygroscopic.		
	li) Solubility	Freely soluble in water, sparingly soluble in ethyl alcohol (96%) practically insoluble in methylene chloride.	Freely soluble in water, sparingly soluble in ethyl alcohol (96%) practically insoluble in methylene chloride.		
02.	Identification	And the state of t			
	A) By IR	The IR spectrum of sample should be concordant with the spectrum obtained from Alfuzosin Hydrochloride working standard.	The IR spectrum of sample is concordant with the spectrum obtained from Afrizosin Hydrochloride working standard.		
	B) Chlorides	A white curdy precipitate should form, which dissolves in dilute ammonia solution.	A white curdy precipitate is formed, which dissolved in dilute ammonia solution.		
03.	pH	Between 4.0 and 5.5	4.8		
04.	Water by KF (%w/w)	NMT 0.5%	0.19%		
05.	Sulphated Ash (%w/w)	NMT 0.1%	0.03%		
06.	Related substances by HPLC (% w/w)				
	I) Impurity D	NMT 0.2%	0.02%		
	ii) Unapecified impurity	NMT 0.10%	Below disregard limit		
	iii) Total impurities	NMT-0.3%	Below disregard limit		
37 .	Assay by Potentiometry (% w/w) (on anhydrous basis)	Between 99.0% and 101.0%	99.5%		

enerway Relon 29101119

Checked By	Approved By
Name: Mykesh NEARY	Name: Alay Gent
Designation: Pest Me → C C	Designation: Dr. Manugu 207
Sign & Date:	Sign & Date:
18/14/13	TO WIND

Page No: 1 of 2



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CERTIFICATE OF ANALYSIS

(API)

API Name

ALFUZOSIN HYDROCHLORIDE Ph. Eur.

API Code

10000101

A.R. No.

040000068635

Batch No.

PAFZP30006

Batch size

30.60 KG

Mfg. Date

MAY. 2013

Sampled by

MT

Retest Date

APR. 2018

Date of sampling

: 19.06.2013

Date of Report

28.06.2013

Spec. No. STP No.

: CQA/APIS/AFZ02/04 : CQA/APISTP/AFZ02/02

Batch Qty.

: 30.400 KG

Sr. No.	TESTS	SPECIFICATIONS	RESULTS
	Additional tests		affel and an experience and provide the state and an installation of the state of the state and an experience and an exp
À	Residual solvents by GC		A STATE OF THE STA
	i) Methanol	NMT 1000 ppm	Not detected
	ii) Diethyl ether	NMT 1000 ppm	Not detected
ese Constitution	lii) Acetone	NMT 5000 ppm	Not detected
	iv) Toluene	NMT 890 ppm	Not detected
Marie Marie	v) Ethanol	NMT 5000 ppm	273 ppm
	vi) Isoamyl alcohol	NMT 5000 ppm	Not detected
В	By XRPD	The XRPD pattern of the sample should be concordant with the XRPD pattern of working standard (Anhydrous form).	The XRPD pattern of the sample is concordant with the XRPD pattern of working standard (Anhydrous form).
¢	Microbial Examination		
	a) Total microbial count		
· marini ma	Aerobes	NMT 1000 CFU/gm	35 CFU/gm
	Fungi	NMT 100 CFU/gm	Less than 10 CFU/gm
	b) E coli	Absent in 1 gm:	Absent in 1 gm.
D	Particle size		
	Particle size less than 100 µm	NLT75:0%	100,0%
	Particle size less than 250 µm	NLT-95.0%	100:0%
E	Heavy metals	NMT 20 ppm	Less than 20 ppm

REMARKS: The above API Complies with the prescribed standard of quality with respect to above tests as per Specification No. CQA/APIS/AFZ02/04 (EP-7).

Checked By	Approved By
Name: Mykagh Nebra	Name: Must Con
Designation: Presh War - OC	Designation: 19 - Drange Roll
Sign & Date:	Sign & Date:
	N G N H

COA Reissued on 18.10.2013 for ESKAYEF BANGLADES LTD., BANGLADESH

Page No: 2 of 2

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CORP. OFF.: Unichem Bhayan, S.V. Road, Jogeshwart (W); Mumbal - 400102. INDIA + Tel: 91 (22)66688333 + Fax: 91 (22)26784391 + Web: www.unichemindia.com

ESKAYEF BANGLADESH LIMITED

400 Tongi Industrial Area, Squibb Road, Tongi, Gazipur. Phone: +88-09610-998088, Fax: +88-02-9812592

QUALITY ASSURANCE

CERTIFICATE OF ANALYSIS RAW MATERIAL

Material: Alfuzosin Hydrochloride

Manufacturer: Unichem Laboratories Limited,

India.

Supplier: Unichem Laboratories Limited, India.

Date Received: 03.12.13

Date RR Received by QC: 03.12.13

Quantity & Container: 01 x 5kg = 5.0 kg

Packing: Sealed in 2PE outer black in sealed alu foil in plastic

drum with steel security seal.

Storage: ATC,PFL,Amblent.

Container Sampled: 01

Sampled by:

Date Sampled: 07.01.14

Quantity Sampled: 45g

16.01.14

Date of Analysis : 09.01.14 to

RM Code: RM0005

QC. Ref. No.: RT131365

RR No. ; RM-U05-13-0942

Bx./Lot No.: PAFZP30006

Mfg. Date : 05/13

Declared Potency : 99.5 % on AB		Assigned Potency: 100.00 % a	Assigned Potency: 100.00 % as it is	
~~ No.	Test	BP Specification	SK+F Specification	Result
1	Description	White or almost white, crystalline powder, slightly hygroscopic.	Same	Almost white crystalline powder, slightly hygroscopic.
2	Solubility	Freely soluble in water, sparingly soluble in alcohol, practically insoluble in methylene chloride.	Same	1.05847g dissolved in 9 ml of water,1.04475g dissolved in 99m ofethanol(96%).
3	Identification	Must Meet (A & B)	Same	Positive (A & B)
4	pH	4.00 to 5.50	Same	4.9
5	Related substance	Impurity D: NMT 0.20% Unspecified impurity: NMT 0.10% Total Impurities: NMT 0.30%	Same	Impurity D : 0.02% Unspecified impurity: 0.02% Total Impurities: 0.09%
6	Water Content	Maximum 0.50%	Same	0.26%
7	Sulphated ash	Maximum 0.10%	Same	0.03%
8	Assay	99.00 - 101.00% on AB	Same	99.97% as it is 100.23% on AB
Additi	onal test			
9	Particle size	-	About 95 % passes through 100 mesh(< 150 micron)	99.86% passes through 100 mesh(< 150 micron).
10	Residual solvents	-	Methanol: NMT 1000ppm Dlethyl ether: NMT 100ppm Acetone: NMT 5000ppm Toluene: NMT 890ppm Ethanol: NMT 5000ppm Isoamyl alcohol: NMT 5000ppm	Methanol: Not detected Diethyl ether: Not detected Acetone: Not detected Toluene: 9ppm Ethanol: 264ppm Isoamyl alcohol: Not done

Reference: Book-304; Page-60.

√☑ Released for use

☐ Rejected

Prepared by (Md. Rafiqui Islam) Sr. Asst. Quality Control Manager

Checked by (Md. Shafiqul Islam) Sr. Quality Control Executive

Approved by (A.K.M. Shafiq-ul-Islam)

Sr. Quality Control Manager