Pell Tech Health Care Pvt Ltd

Plot No. 20B. Tansa Farm Estate. Bhiwandi-Wada Road, Wada. Thane, Maharashtra - 421312

CERTIFICATE OF ANALYSIS

Material Name	:	Metformin Hydrochloride B.P.	•			
Batch No.	1:	MEF/10051548	AR Number	: 2020/QCG/RM	1R/0	0300
GRN No	:	RM-00037		Received Oty.	l :	2000,000 Kg
Manufacture Name	:	Aarti Drugs Ltd.		Received Date	:	24/05/2020
Supplier Name	;	Sneha Medicare Pvt.Ltd		Sample Oty.	:	0.040 Kg
Mfg. Date	:	May-2020		Sampling Date	:	24/05/2020
Exp Date	:	Apr-2025		Rejected Otv.	:	0.000 Kg
Retest Date	:	30/05/2021		Released Date	:	30/05/2020

R. Vo.	Test	Specification	Observation
1	Description	White or almost white crystals.	White crystals.
2	Solubility	Freely soluble in water, slightly soluble in ethanol (96 per cent), practically insoluble in acetone and in methylene chloride.	Freely soluble in water, slightly soluble in ethanol (96 per cent), practically insoluble in acetone and in methylene chloride.
3	Identification		
	Identification B	The infra red absorption spectrum is concordant with the reference spectrum of Metformin hydrochloride BP.	The infra red absorption spectrum is concordant with the reference spectrum of Metformin hydrochloride BP.
	Identification E	It gives reaction (a) of chlorides - The precipitate dissolves easily with the possible exception of a few large particles which dissolve slowly.	It gives reaction (a) of chlorides - The precipitate dissolves easily with the possible exception of a few large particles which dissolve slowly.
4	Appearance of solution	Solution S is clear and colourless.	Solution S is clear and colourless.
5	Impurity F	Not more than the area of the corresponding peak in the chromatogram obtained with the reference solution (0.05 per cent).	0.0015%
6	Related Substance		
	Impurity A Unspecified impurities	Not more than 0.02% Not more than 0.05%	0.0031% 0.0163%
	Total impurities	maximum 0.2 %	0.0477%
7	Loss on drying (at 105°C)	Not more than 0.5%	0.1%
8	Sulfated ash	Not more than 0.1%	0.07%
9	Assay:	Between 98.5% to 101.0% (on dried substance).	99.8%

Conclusion : The conclusion of the undersigned about the above mentioned Raw Material **complies** as per British Pharmacopoeia Laid down specification & is of a standard quality mentioned there in.

Prepared	Ву	Checked By	y ©	Approved By	Polostron
Date	30/05/2020	Date	30/05/2020	Date	30/03/
Format N	o. QC/01-039/F01				Page 1 of 1



Manufacturers of : Bulk Drugs & Chemicals

Corporate Office: Plot No. 109-D, Mahendra Industrial Estate, Ground Floor, Road No. 29, Sion (East), Mumbai - 400 022. India Tel.: 022-24072249 / 24019025 (30 Lines) • Fax: 022-24070144 / 24073462 E-mail: admin@aartidrugs.com • Website: www.aartidrugs.com

Regd. Off.: Plot No. N-198, M.I.D.C., Tarapur, Tal. & Dist. Palghar (M.H.)-401506.

Factory: Plot No. 211 & 213, Road No. 2, GIDC, Sarigam, Tal, Umbergaon, Dist. Valsad, Gujarat, (India) - 396155.

Tel.: (0260) 2780269 / +91 9998010751

E-mail: hr211@aartidrugs.com Website: www.aartidrugs.com

CIN No.: L37060MH1984PLC055433

QUALITY CONTROL **CERTIFICATE OF ANALYSIS**

Page 1 of 1

PRÓDUCT NAME: METFORMIN HYDROCHLORIDE IP	BATCH SIZE : 2000 Kgs
BATCH NO. : MEF/10051548	A. R. NO. : FP/201620
MFG. DATE : MAY - 2020	ANALYSIS DATE: 15/05/2020
EXP. DATE : APR - 2025	CAS NO. : 1115-70-4

SR.			
NO.	TESTS	SPECIFICATION	RESULTS
1.	Description	A white or almost white crystalline powder.	White crystalline powder.
2.	Solubility	Freely soluble in water, slightly soluble in ethanol (95%), practically insoluble in acetone, in chloroform, in dichloromethane and in ether.	Complies
3.	A. By IR	The infra-red absorption spectra of sample should be concordant with the spectrum obtained with Metformin Hydrochloride IP working standard.	Concordant
	B. Test B	An orange-red colour should produced which darkens on keeping.	Complies
	D. Reaction of chloride	A wine red colour should develops within 3 minutes.	Complies
		A curdy white precipitate is formed which is insoluble in nitric acid but soluble after being well washed with water in dilute ammonia solution, from which it is re-precipitated by the addition of dilute nitric acid.	Complies
i	Related substances Dicyandiamide: Any Other Max.Impurity:	Not more than 0.02%. Not more than 0.1 %.	0.003% 0.015%
5.	Heavy metals	Not more than 20 ppm.	Complies
6.	Sulphated Ash	Not more than 0.1 %.	0.03%
7.	Loss on drying	Not more than 0.5 %,	
8.	Assay	Not less than 98.5 % and Not more than 101.0 % of C ₄ H ₁₁ N ₅ .HCl calculated on the dried basis.	100,28%
	(by braivern Analyser)	NLT 90% Particle below 150µm/ 90% Particle below 100 mesh	Complies

Remark: The Batch of product sample is Complies as per the prescribed standard of Quality Torrero Date: 1510512020

Pour putel

Pour Sand: pharmacopoeia specification IP-2018. *Additional test.

sandip aurav.

Presente.

Prepared By:

Approved By:

Date:

Date:

(QCP/005/F1/04)