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Sr. No.	TESTS	SPECIFICATION	RESULT
01	Appearance	White or almost white crystals.	White crystals
02	Solubility	Freely soluble in water, slightly soluble in alcohol, practically insoluble in acetone and in methylene chloride	Complies
03	Identification	The IR spectra of test substance concordant with spectra obtained with metformin hydrochloride working standard	Complies
	B: By IR		
	E: Test of chlorides	A white curdy precipitate is formed	Positive
04	Appearance of solution	Solution is clear and color less	Complies
05	Related substances		
	Impurity A	Not more than 0.02%	0.001%
	Any other impurity	Not more than 0.1%	0.014%
06	Heavy metals	Not more than 10 ppm	Less than 10 ppm
07	Loss on drying	Not more than 0.5%	0.12%
08	Sulphated Ash	Not more than 0.1%	0.04%
09	Assay (potentiometrically)	98.5% to 101.0%	99.46%

Remark : The Batch of product sample is Complies as per the prescribed standard of Quality pharmacopoeia

Prepared by: *Assay* *ON AS IS BASIS* *DRUG BASIS* *99.34%* *99.46%*  
 QC officer  
 Date: 15/09/2015

Checked by: *99.34%* *99.46%*  
 QC officer/Executive  
 Date: 15/09/2015

Approved by: *99.34%* *99.46%*  
 QC Head  
 Date: 15/09/2015

PRODUCT NAME: METFORMIN HYDROCHLORIDE BP	BATCH NO. : MEF/15090132	A.R. NO. : FP/150094	QUANTITY : 1.00 Gram
MFG. DATE : SEPTEMBER - 2015	ANALYSIS DATE : 06/09/2015	CAS NO. : 1115-70-4	EXP. DATE : AUGUST - 2020

QUALITY CONTROL  
 WORKING STANDARD CERTIFICATE OF ANALYSIS

MRS M34-2