

泰安瑞泰纤维素有限公司  
TAIAN RUITAI CELLULOSE CO., LTD.

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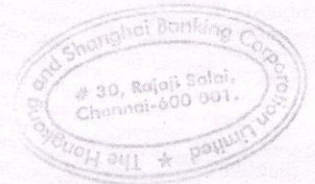
CELLULOSE & DERIVATIVES  
CERTIFICATE OF ANALYSIS

Product	FETOCEL® Brand Ethyl cellulose (EC)	Date of Manufactures	2016-10-08
Grade	RT-N-7 USPXXXVIII Conforming Microbiological Test in Multicolored Net Fibre Drum, contents 12.5 kg Net	Before/Date of Expiry	2019-10-07
Quantity	4050Kg	Invoice Date	2016-11-17
Lot Number	N720161008212		
Invoice	2016-ST-1118		

TEST ITEM	SPECIFICATION	TEST RESULT
APPEARANCE	WHITE POWDER OR GRANULES	CONFORMS
IDENTIFICATION	CONFORMS	CONFORMS
ETHOXYL CONTENT (wt%)	47.5-49.5	47.5
VISCOSITY (cp)	6.0-9.0	7.1
LOSS ON DRYING (wt%)	3.0max	1.8
RESIDUE ON IGNITION (wt%)	0.5max	0.27
CHLORIDES	CONFORMS	CONFORMS
ACETALDEHYDE	CONFORMS	CONFORMS
ACIDITY OR ALKALINITY	CONFORMS	CONFORMS
HEAVE METALS (ppm)	20max	NOT MORE THAN 20

This material meets all requirements of USP38 for the monograph Ethyl Cellulose, the IP, EP and the JP.  
This material passes USP identification tests.  
This material meets USP organic volatile impurity limits (Process Knowledge).  
This product has been manufactured in accordance With the FDA'S GMP.

WangQiang  
Quality Control Manager  
Date: November 17, 2016



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