

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

RUITAI

WENYANG TOWN FEICHENG CITY
SHANDONG PROVINCE, P. R. CHINA
TEL: 86-538-3850348
FAX: 86-538-3852777
Http://www.ruitai.com
E-mail: wry@ruitai.com

中国·山东
肥城·汶阳
电话: 86-538-3850348
传真: 86-538-3852777
网址: www.ruitai.com
邮箱: wry@ruitai.com

CELLULOSE & DERIVATIVES

CERTIFICATE OF ANALYSIS

Product RUTOCEL® Brand Hydroxypropyl Methylcellulose (HPMC)
Grade 60RT15 (E15) USPXXXIX Conforming Microbiological Test in Multicolored Fiber Drum, contents 25 kg Net
Quantity 14450KG Date of Manufactures 2017-10-04
Lot Number 6020171004188 Before/Date of Expiry 2020-10-03
Invoice Number 2017-ST-1022 Invoice Date 2017-10-20

TEST ITEM	SPECIFICATION	TEST RESULT
APPEARANCE	WHITE POWDER OR GRANULES	CONFORMS
DESCRIPTION	A WHITE OR YELLOWISH WHITE, FIBROUS OR GRANULAR POWDER, ALMOST ODOURLESS, HYGROSCOPIC AFTER DRYING.	CONFORMS
IDENTIFICATION A TO E	CONFORMS	CONFORMS
SOLUBILITY	PRACTICALLY INSOLUBLE IN HOT WATER IN ACETONE IN ETHANOL, METHER & IN TOLUENE IT SWELLS IN WATER FORMING AN OPALESCENT VISCOUS COLLOIDAL SOLUTION	CONFORMS
APPREANCE OF SOLUTION	SOLUTION A NMT GS3 & YS6	CONFORMS
HYDROXYPROPOXYL CONTENT (wt%)	7.0-12.0	8.4
METHOXYL CONTENT (wt%)	28.0-30.0	28.6
APPARENT VISCOSITY (cp)	11.25-21	15.1
PH (25°C)	5.5-8.0	6.83
LOSS ON DRYING (wt%)	10.0max	3.6
SULPHATED ASH (wt%)	3.0max	1.13
RESIDUE ON IGNITION (wt%)	1.5max	0.96
HEAVY METALS (ppm)	20 max	Less than 20
ARSENIC (ppm)	3max	Less than 3
CHLORIDES (ppm)	0.5max	Less than 0.5
TOTAL BACTERIUM	1000/gram max	140
MOULD	100/gram max	40

This material meets all requirements of USP39- NF 34 Second Supplement for the monograph Hydroxypropyl Methylcellulose 2910, the IP, EP and the JP.

This material passes USP identification tests A, B, C, D and E.

This material meets USP organic volatile impurity limits (Process Knowledge).

This product has been manufactured in accordance With the FDA S GMP.

Wang Qiang
Quality Control Manager
Date: October 19, 2017

RUITAI

