

# 检 验 报 告

INSPECTION REPORT

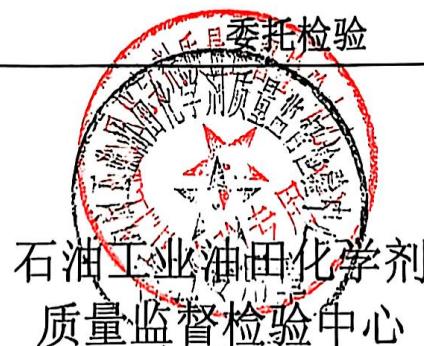
报告编号 No. 2005委016

石油工业  
质量监督检验中心

产品名称 羟乙基纤维素  
PRODUCT

委托单位 湖北祥泰纤维素有限公司  
INSPECTED ENTERPRISE

检验类别 委托检验  
INSPECTING TYPE



The Supervising & Testing Center  
for the Quality of the Chemicals  
for Petroleum Industry

# 检验报告

报告编号 No. 2005委016

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样品名称	羟乙基纤维素			样品代号	/
委托单位	湖北祥泰纤维素有限公司			商 标	/
样品原标记	批号20041110; XT-40; 31000mPa.s			检验类别	委托检验
抽样地点	/			样品等级	/
样品数量	50g	抽样基数	/	抽(送)样日期	2005.1.13
样品编号	05委016			抽(送)样者	时育善
原编号或生产日期	/			检测时的环境条件	环境温度:室温
依据标准代号名称	用户提供方法(见附件1; 2)				
检验结论	详见检测结果报告单。				
备注	按委托方提供的附件1方法检测, 按附件2指标判定。				
批准	王政	审核	苏慧敏	主检	赵花香



羟乙基纤维素  
检测结果报告单

依据标准: 用户提供方法 (附件1、2)

样品编号: 05委016

填报日期: 2005.01.17

检测项目	指 标	检测结果
外 观	自由流动粉末, 无可见杂质	自由流动粉末, 无可见杂质
水溶性	高度水溶	高度水溶
水分 %	≤10.0	5.2
水不溶物 %	≤0.5	0.47
酸不溶物 %	≤0.3	0.11
在24±2℃ 下分散 45min	粘度,mPa.s(剪切 速率在511sec <sup>-1</sup> ) 流型指数	≥50 ≤0.5 71 0.40
在40±2℃ 下老化48h	粘度,mPa.s(剪切 速率在511sec <sup>-1</sup> ) 流型指数	≥45 ≤0.51 46 0.50
90±2℃下 老化2h	粘度,mPa.s(剪切 速率在511sec <sup>-1</sup> ) 流型指数	≥20 ≤0.55 23 0.52
加入HCl后 在90±2℃ 下老化2h	粘度,mPa.s(剪切 速率在511sec <sup>-1</sup> ) 流型指数	≤5 0.99-1.00 5 1.00
备注		

**THE SUPERVISING AND TESTING CENTER FOR QUALITY  
OF CHEMICALS FOR PETROLEUM INDUSTRY**

P.O.BOX 910, XUEYUANROAD 20, BEIJING 100083, CHINA FAX: 8610-62097869 TEL 8610-62097689

Sample No. 05WEI016

Sl. No	PARAMETERS	UNIT OF MEASURE-MENT	REQUIREMENT AS PER O.N.G.C. SPECIFICATION	RESULT SAMPLE I	RESULT SAMPLE II
1	Physical State		The Material as received, shall be a free flowing powder, free from visible impurities.	As per requirement	
2	Dispersibility in water		Highly dispersible	As per requirement	
3	Moisture content, percent by mass, ( as received )	percent by mass	10.0 (Maximum)	5.2	
4	Residue content, on dry basis, percent by mass	percent by mass	0.5 (Maximum)	0.47	
5	Insoluble matter, ( on dry basis ) in 15% ( w/w ) HCl,	percent by mass	0.3 (Maximum)	0.11	
6	Performance Test				
(A)	Concentration of Hydroxy Ethyl Cellulose in 30 grams / litre solution of Potassium Chloride in tap water to obtain following results, grams / litre. (a) Viscosity at 511 per second shear rate, cp. (i) After dispersion for 45 minutes at $24 \pm 2^\circ\text{C}$ (ii) After aging for 48 hours at $40 \pm 2^\circ\text{C}$ (iii) After aging for 2 hours at $90 \pm 2^\circ\text{C}$ (iv) After aging for 2 hours at $90 \pm 2^\circ\text{C}$ by treating with 0.48 (v/v) of 15% (w/w) Hydrochloric acid.		50 ( Minimum ) 45 ( Minimum ) 20 ( Minimum ) 5 ( Maximum )	71 46 23 5	

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Sample No. 05WEI016

SI. No	PARAMETERS	UNIT OF MEASURE-MENT	REQUIREMENT AS PER O.N.G.C. SPECIFICATION	RESULT SAMPLE I	RESULT SAMPLE II
	<b>Performance Test</b>				
	Flow behaviour index (n')				
(B)	(i) After dispersion for 45 minutes at 24 ±2°C		0.5 ( Maximum )	0.4	
	(ii) After aging for 48 hours at 40 ±2°C		0.51 ( Maximum )	0.50	
	(iii) After aging for 2 hours at 90 ±2°C		0.55 ( Maximum )	0.52	
	(iv) After aging for 2 hours at 90 ±2°C by treating with 0.4% (v/v) of 15% (w/w) Hydrochloric acid.		0.99 ---1.00	1.00	

INSPECTOR: WANGXIN

CHEMIST DIRECTOR

SU Huimin ,Zhao Guixiang

CHEMIST

DATE : JANUARY 17, 2005

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