

检 验 报 告

INSPECTION REPORT

报告编号 No. 2005委016

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

石油工业油田化学剂
质量监督检验中心

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

检 验 报 告

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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200411110; 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	<p>详见检测结果报告单。</p> 				
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	赵桂香

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 ⁻¹)	≥50	71
	流型指数	≤0.5	0.40
在40±2℃ 下老化48h	粘度,mPa.s(剪切 速率在511sec ⁻¹)	≥45	46
	流型指数	≤0.51	0.50
90±2℃下 老化2h	粘度,mPa.s(剪切 速率在511sec ⁻¹)	≥20	23
	流型指数	≤0.55	0.52
加入HCl后 在90±2℃ 下老化2h	粘度,mPa.s(剪切 速率在511sec ⁻¹)	≤5	5
	流型指数	0.99-1.00	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)	<p>Concentration of Hydroxy Ethyl Cellulose in 30 grams / litre solution of Potassium Chloride in tap water to obtain following results, grams / litre.</p> <p>(a) Viscosity at 511 per second shear rate, cp.</p> <p>(i) After dispersion for 45 minutes at $24 \pm 2^\circ\text{C}$</p> <p>(ii) After aging for 48 hours at $40 \pm 2^\circ\text{C}$</p> <p>(iii) After aging for 2 hours at $90 \pm 2^\circ\text{C}$</p> <p>(iv) After aging for 2 hours at $90 \pm 2^\circ\text{C}$ by treating with 0.4% (v/v) of 15% (w/w) Hydrochloric acid.</p>		<p>50 (Minimum)</p> <p>45 (Minimum)</p> <p>20 (Minimum)</p> <p>5 (Maximum)</p>	<p>71</p> <p>46</p> <p>23</p> <p>5</p>	

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Sample No. 05WEI016

Sl. No	PARAMETERS	UNIT OF MEASURE-MENT	REQUIREMENT AS PER O.N.G.C. SPECIFICATION	RESULT SAMPLE I	RESULT SAMPLE II
(B)	Performance Test				
	Flow behaviour index (n')				
	(i) After dispersion for 45 minutes at $24 \pm 2^\circ\text{C}$		0.5 (Maximum)	0.4	
	(ii) After aging for 48 hours at $40 \pm 2^\circ\text{C}$		0.51 (Maximum)	0.50	
	(iii) After aging for 2 hours at $90 \pm 2^\circ\text{C}$		0.55 (Maximum)	0.52	
	(iv) After aging for 2 hours at $90 \pm 2^\circ\text{C}$ 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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