

# Certificate of Analysis

## 检验报告书

品名 Name	4-羟乙基哌嗪乙磺酸 HEPES N- (2-Hydroxy ethyl)-Piperazine ethane Sulfonic acid	
CAS NO.	7365-45-9	
检测项目 Item	指标 Specifications	测定结果 Results
纯度 Assay	≥99.5%	100.1
外观 Appearance	白色粉末 White Powder	符合 Conforms
PKa值 PKa-25°C	7.45 ~ 7.65	7.55
UV吸收值/UV(Abs)-A260nm (1M in H2O)	≤0.05%	0.01
UV吸收值/UV(Abs)-A280nm (1M in H2O)	≤0.04%	0.01
UV吸收值/UV(Abs)-A290nm (33% in H2O)	≤0.05%	0.01
UV吸收值/UV(Abs)-A405nm (1M in H2O)	≤0.01%	0.00
元素/Element-Pb (ppm)	≤5.00	0.13
水份/Water content-KF	≤0.1%	0.0
溶解性 Solubility(0.1% in H2O)	符合 Conforms	符合 Conforms
灰份/Sulfated Ash (%) -ROI	≤0.1%	0.00
酸值/pH-5% in H2O	5.0 ~ 6.5	5.3
结论 Conclusion	 本产品符合标准 The result conform with standard	

分析者 Analyst	王霞	审核 Checked	张晓艳	质检经理 QC Manager	朱明亮
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