

CERTIFICATE OF ANALYSIS

Product Name:	4-Morpholineethanesulfonic acid	Batch No.	JL20220412
Cas	4432-31-9	MF Date	Apr.12, 2022
Packing	25KGS/DRUM	Analysis Date	Apr.13, 2022
Quantity	1MT	Expiry Date	Apr.11, 2024
ITEM 分析项目	STANDARD 技术指标	RESULT 实测结果	
APPEARANCE	White Crystalline Powder	White Crystalline Powder	
Assay	99.0~101%	99.68	
Water Content	≤0.5%	0.22%	
loss on drying	≤1%	0.43	
1.0M aqueous	Colorless, clear	Colorless, clear	
PH (1.0M aqueous)	3.5~4.1	3.8	
Heavy metals (Pb)	≤0.0005%	0.0002	
UV absorbance 260nm (0.5m aqueous solution)	≤0.040	0.012	
UV absorbance 280nm (0.5m aqueous solution)	≤0.020	0.009	
Conclusion	Qualified		

Analyst: Wen Qian**Quality Assurance Officer: Zhan Peng**