



## Nanjing Search Biotech Co.,Ltd

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### CERTIFICATE OF ANALYSIS

English Name: 2-Morpholinoethanesulfonic Acid;MES

Molecular Formula: C<sub>6</sub>H<sub>13</sub>NO<sub>4</sub>S

Molecular Wt: 195.2

CAS:4432-31-9

SPECIFICATION PROPERTIES	STANDARD	RESULTS
Appearance	Free flowing white powder	
Assay (potertimetric cal on dry substance)	≥99%	99.3%
PKa at 20°C	6.05-6.25	6.2
Color of 1M solution	clear	OK
Heavy metals (Pb)	≤10PPM	3PPM
Sulfate	≤100PPM	10PPM
Fe content	≤10PPM	0.7PPM
Chloride	≤100PPM	75PPM
ultraviolet absobance/260nm(0.5M water)	≤0.02	0.018
ultraviolet absobance/280nm(0.5M water)	≤0.02	0.015

Product Date: 2015/03/15

Test Date: 2015/03/16

Batch No.: TQ2015/01

Checker: Chuck