

## Certificate of Analysis

Date of Testing: 2023-04-23 16:47:44

Date of Next Testing: 2027-04-22 16:47:44

Product Name: **Ethanolamine**

CAS Number: 141-43-5

Specifications & Purity: ACS,  $\geq 99.0\%$

Lot #: D23211727

SKU #: **E103810**

Analysis: **215387**

Parameter	Limit Values	Result
Color test (APHA)	0-15	10.50
Iron(Fe)	0-5 (ppm)	3.50 ppm
Heavy metal (as Pb)	0-5 (ppm)	2.80 ppm
Water by Karl Fischer	0-0.3 (%)	0.15 %
Assay	99-100 (%)	99.71 %



John Su  
QA & QC Manager