

3050 Spruce Street, Saint Louis, MO 63103, USA

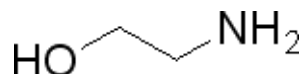
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## Certificate of Analysis

Product Name:

Ethanolamine – liquid, BioReagent, suitable for cell culture, ≥98%

**Product Number:** E0135  
**Lot Number:** 078K0714V  
**Brand:** SIAL  
**CAS Number:** 141-43-5  
**MDL Number:** MFCD00008183  
**Formula:** C<sub>2</sub>H<sub>7</sub>NO  
**Formula Weight:** 61.08 g/mol  
**Quality Release Date:** 10 SEP 2008  
**Recommended Retest Date:** JUL 2012



| Test                      | Specification         | Result    |
|---------------------------|-----------------------|-----------|
| Appearance (Color)        | Colorless             | Colorless |
| Appearance (Form)         | Liquid                | Liquid    |
| Infrared spectrum         | Conforms to Structure | Conforms  |
| Titration by HCL          | ≥ 98.0 %              | 100.0 %   |
| Cell Culture Test         | Pass                  | Pass      |
| Recommended Retest Period | -----                 | -----     |
| 4 Years                   |                       |           |



Rodney Burbach, Manager  
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Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.