



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Triethanolamine Free Base\_  
**Catalog Number:** 152163\_  
**Lot:** QR11323\_

**Formula:** C<sub>6</sub>H<sub>15</sub>NO<sub>3</sub>

**CAS #:** 102-71-6

**Physical Description:** Clear, Colorless Liquid

**Formula Weight:** 149.19

**Storage:** Room Temperature, desiccate, protect from light, store under nitrogen

| Test            | Specification        | Result               |
|-----------------|----------------------|----------------------|
| Identity Test   | Passes               | Passes               |
| Purity          | ≥97%                 | 99.9% (TEA)          |
| FTIR            | Conforms to Standard | Conforms to Standard |
| pH (1% aq soln) | 9 - 11.5             | 9.8                  |

Sulfated ash: <0.001%

Color: 24

DEA: 0.04%

Refractive index, 20C: 1.4840


Sp. Grav, 25/25°C: 1.1246

TEA:99.94%

Water: 0.06%

Purity: 99.9% (TEA)

Recommended Retest Date: 10/11/2018

  
10/13/2015 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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