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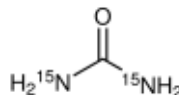
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

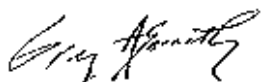
Product Name:

Urea-<sup>15</sup>N<sub>2</sub> - ≥10 atom % <sup>15</sup>N, ≥96% (CP)

**Product Number:** 490970  
**Batch Number:** MBBC4571  
**Brand:** ALDRICH  
**CAS Number:** 2067-80-3  
**MDL Number:** MFCD00064399  
**Formula:** CH<sub>4</sub><sup>15</sup>N<sub>2</sub>O  
**Formula Weight:** 62.04 g/mol  
**Quality Release Date:** 30 APR 2018



| Test                                       | Specification      | Result             |
|--|--------------------|--------------------|
| Appearance (Color)                         | White              | White              |
| Appearance (Form)                          | Crystalline Powder | Crystalline Powder |
| Purity (HPLC)                              | ≥ 96.0 %           | 98.1 %             |
| Mass Spectrometry<br>atom% <sup>15</sup> N | ≥ 10.0 %           | 10.1 %             |
| Water (by Karl Fischer)                    | ≤ 0.50 %           | 0.07 %             |



Greg Abernathy, Supervisor  
Quality Control  
Miamisburg, Ohio US

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.