



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## Certificate of Analysis

Catalogue Number BIO-216  
Product **Hydroxyurea**

Lot Number 002411-20150101  
Hydroxycarbamide

CAS Number 127-07-1  
Molecular Formula  $\text{CH}_4\text{N}_2\text{O}_2$

Molecular Weight 76.05

---

Appearance	White crystalline powder
Solubility	Soluble in water and practically insoluble in alcohol. It shows polymorphism.
Melting Point	142.5 °C
Heavy Metals	< 10 ppm
Anion	Chloride (Cl <sup>-</sup> ): < 50 ppm
Water Content (Karl Fisher)	0.11%
Yeast and Mold	< 100 cfu/g or mL
Infrared Spectrum	Conforms to structure
E. Coli, Salmonella, S.Aureus	Absent
Related Substances	Single impurity: 0.04% Urea: < 0.5% Total impurity: 0.08%
Sulfated Ash	0.02%
Purity by HPLC	99.56% (anhydrous basis)
Purity by TLC	Passes test
Grade	EP
Storage	Store at RT

Prepared by:  
*Ramesh Mandadi*  
Ramesh Mandadi  
Director of Operations

Reviewed and approved by:  
*Sujata Moton*  
S. Moton  
VP