CERTIFICATE OF ANALYSIS

(Certificate No. KMM091003-01)

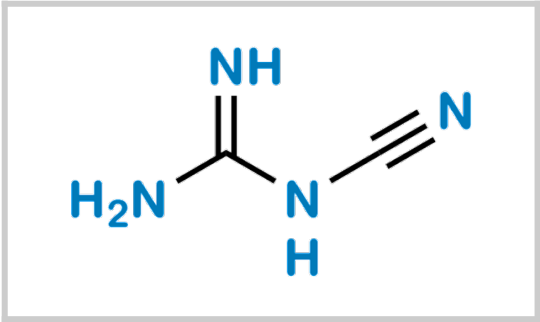
Release Date: 05/04/2025 **Re-test Date:** 04/04/2028

1-Cyanoguanidine

Identification

Chemical Name :
1-Cyanoguanidine

Alt. Name	: Metformin USP Related Compound A ; Dicyandiamide
CAT No.	: KMM091003
CAS No.	: 461-58-5
Molecular Formula	: C2H4N4
Molecular Weight	: 84.1



Analytical Information

Batch No.	: M091003-091-306
Description	: Off White Solid
HPLC Purity	: 99.94 %
Weight Loss By TGA	: 0.20 %
% Potency	: 99.74 %
Solubility	: *Refer in Additional information
Mass	: Confirm
IR	: Confirm
1H NMR	: Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.20(Weight Loss By TGA)] x [99.94(HPLC Purity)]/100 = 99.74 %
* 17g/L solution of ammonium dihydrogen phosphate adjusted pH 3.0 with phosphoric acid

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		07/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		07/04/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA