

# CERTIFICATE OF ANALYSIS

(Certificate No. KMM091007-01)

Release Date: 05/12/2024

Re-test Date: 04/12/2027

## Metformin Impurity E

### Identification

Chemical Name :  
1-Methyl Biguanide

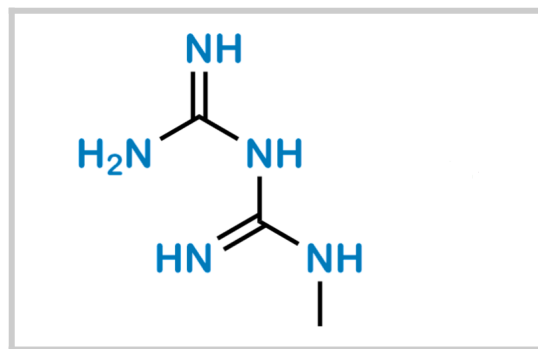
Alt. Name : Metformin USP Related Compound B  
; N-Desmethyl Metformin

CAT No. : KMM091007

CAS No. : 1609-00-3

Molecular Formula : C<sub>3</sub>H<sub>9</sub>N<sub>5</sub>

Molecular Weight : 115.1



### Analytical Information

Batch No. : M091007-091-066

Description : White Solid

HPLC Purity : 97.90 %

Weight Loss By TGA : 0.01 %

% Potency : 97.89 %

Solubility : Water

Mass : Confirm

IR : Confirm

<sup>1</sup>H NMR : Confirm

<sup>13</sup>C 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 - 0.01(Weight Loss By TGA)] x [97.90(HPLC Purity)]/100 = 97.89 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		05/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		05/12/2024

Attachments : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA