

# CERTIFICATE OF ANALYSIS

(Certificate No. KML014069-01)

Release Date: 30/12/2024

Re-test Date: 29/12/2027

## Lenalidomide Impurity D

### Identification

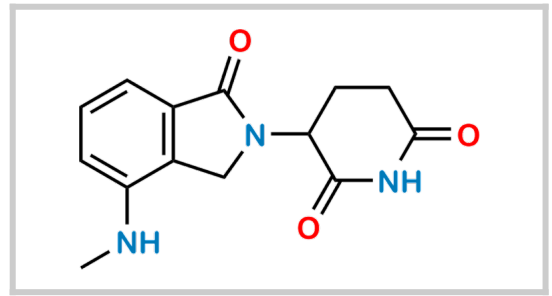
**Chemical Name :**  
3-[4-(Methylamino)-1,3-dihydro-1-oxo-2H-isoindol-2-yl]-2,6-piperidinedione

**CAT No.** : KML014069

**CAS No.** : 2197421-58-0

**Molecular Formula** : C<sub>14</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>

**Molecular Weight** : 273.3



### Analytical Information

**Batch No.** : L014069-091-109

**Description** : White Solid

**HPLC Purity** : 99.65 %

**Weight Loss By TGA** : 1.83 %

**% Potency** : 97.83 %

**Solubility** : 0.1% OPA :  
Methanol (75 : 25)

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 1.83(Weight Loss By TGA)] x [99.65(HPLC Purity)]/100 = 97.83 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		31/12/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		31/12/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA