

# CERTIFICATE OF ANALYSIS

(Certificate No. KMR053006-01)

Release Date: 26/12/2024

Re-test Date: 26/12/2024

## ISOBUTYL-4-PIPERIDONE

### Identification

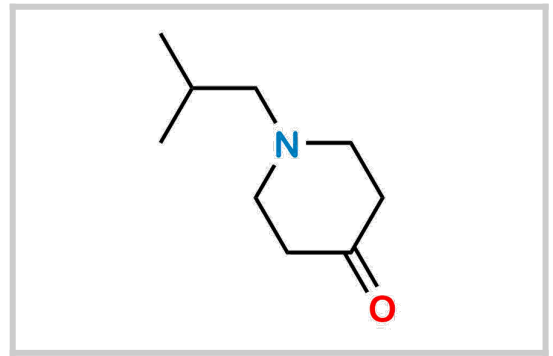
**Chemical Name :**  
1-(2-Methylpropyl)piperidin-4-one

**CAT No. :** KMR053006

**CAS No. :** 72544-16-2

**Molecular Formula :** C<sub>9</sub>H<sub>17</sub>NO

**Molecular Weight :** 155.2



### Analytical Information

**Batch No. :** R053006-091

**Description :** Light Yellow Liquid

**HPLC Purity :** NLT 97 %

**Weight Loss By TGA :** NLT 0.1 %

**% Potency :** 96.9 %

**Solubility :** Acetonitrile

**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 =**  $[100 - 0.1(\text{Weight Loss By TGA})] \times [97(\text{HPLC Purity})]/100 = 96.9 \%$

**Recommendation :** Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		26/12/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		26/12/2024

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