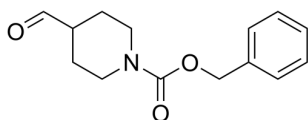


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	4-Formyl-N-Cbz-piperidine
<b>Cat. No.:</b>	1052042
<b>CAS No.:</b>	138163-08-3
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>17</sub> NO <sub>3</sub>
<b>Molecular Weight:</b>	247.29
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Le052171546
<b>Storage:</b>	2-8°C, stored under nitrogen
<b>Test Date:</b>	2021-05-21
<b>Retest Date:</b>	2024-05-20
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Colorless to light yellow (Liquid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥97.0%
<b>Water(KF):</b>	0.11%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai