

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

| | |
|--------------------------|--|
| Catalogue Number | 18216 |
| Lot Number | 001328-2021-04-20 |
| Product | Z-piperazine-2-carboxylic acid Piperazine-1,2-dicarboxylic acid 1-benzyl ester |
| CAS Number | 129365-24-8 |
| Molecular Formula | C ₁₃ H ₁₆ N ₂ O ₄ |
| Molecular Weight | 264.28 |

| | |
|---------------------------|--|
| Appearance | White powder |
| ¹³C NMR | Conforms to structure |
| ¹H NMR | Conforms to structure |
| Purity | > 97% (NMR) |
| Storage | Store at 0 - 8 °C |
| Remarks | See material safety data sheet for additional information For laboratory use only |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager