## Chem-Impex International, Inc.

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825 Dillon Drive

**Shipping and Correspondence: Manufacturing site:** 

Wood Dale, IL 60191 Wood Dale, IL 60191

## Certificate of Analysis

31911 **Catalogue Number** 

001696-20170901 **Lot Number** 

1-[2-(2-Hydroxyethoxy)ethyl]piperazine **Product** 

2-[2-(1-Piperazinyl)ethoxy]ethanol

13349-82-1 **CAS Number**  $C_8H_{18}N_2O_2\\$ **Molecular Formula** 

174.24 **Molecular Weight** 

Pale yellow to yellow viscous liquid **Appearance** 

0.55%

**Water Content (Karl** 

Fisher)

935 Dillon Drive

**Related Substances** 2-Chloroethanol: 0.015%

Piperazine: 0.082%

2-Chloroethoxy ethanol: 0.007% N-(2-Hydroxyethyl)piperazine: 0.034% Any other single impurity: 0.035%

Total impurities: 0.18%

99.83% **Purity by HPLC** Store at RT

Storage

**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**