Chem-Impex International, Inc.

Tel: (630) 766-2112 Fax: (630) 766-2218

E-mail: sales@chemimpex.com Web site: www.chemimpex.com

Shipping and Correspondence: Manufacturing site:

Wood Dale, IL 60191 Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 03071

Lot Number 000424-130702-11027

Product Glycine benzyl ester 4-toluenesulfonate salt

 $Gly\text{-}OBzl\bullet TosOH$

Benzyl glycinate 4-toluenesulfonate salt

825 Dillon Drive

CAS Number 1738-76-7

Molecular Formula C₉H₁₁NO₂·C₇H₈O₃S

Molecular Weight 337.4

Appearance White powder **Melting Point** 133.3-133.7 °C

Water Content (Karl

Fisher)

935 Dillon Drive

0.038%

Infrared Spectrum Conforms to structure

Analysis by Mass Spectra Conforms to standard

Loss on Drying 0.27% (50 °C,2 hr)

1H NMR Conforms to structure

Purity by HPLC 98.72%

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