

# 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** 12208  
**Lot Number** 2  
**Product** *N*<sup>α</sup>-*Z*-*N*<sup>γ</sup>-xanthyl-L-asparagine

Z-L-Asn(Xan)-OH

**CAS Number** 327981-00-0  
**Molecular Formula** C<sub>25</sub>H<sub>22</sub>N<sub>2</sub>O<sub>6</sub>  
**Molecular Weight** 446.43

---

**Appearance** White powder  
**Melting Point** 182-184 °C  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = -9.6° (C=1 in DMF)  
**Assay by titration** 97.3%  
**Purity by HPLC** 99.0%  
**Purity by TLC** > 98%  
**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**