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Print Date: Feb 6th 2016

Certificate of Analysis

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Product Name: **Hypotaurine** **Catalog No.: 0208** **Batch No.: 17**

CAS Number: 300-84-5

IUPAC Name: 2-Aminoethylsulfinic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_2H_7NO_2S$

Batch Molecular Weight: 109.14

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Desiccate at RT

Batch Molecular Structure:

2. ANALYTICAL DATA

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	22.01	6.46	12.83
Found	21.88	6.39	12.67

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Product Name: **Hypotaurine** **Catalog No.: 0208** **Batch No.: 17**

CAS Number: 300-84-5

IUPAC Name: 2-Aminoethylsulfinic acid

Description:

Endogenous inhibitory amino acid.

Physical and Chemical Properties:

Batch Molecular Formula: $C_2H_7NO_2S$

Batch Molecular Weight: 109.14

Physical Appearance: White solid

Batch Molecular Structure:

Storage: Desiccate at RT

Solubility & Usage Info:

water to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Okamoto and Sakai (1981) Inhibitory actions of taurocyamine, hypotaurine, homotaurine, taurine and GABA on spike discharges of purkinje cells, and localization of sensitive sites in guinea pig cerebellar slices. Brain Res. ***206*** 371. PMID: 7214140.

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