

**CERTIFICATE OF ANALYSIS**

PRODUCT NAME:

Tetrahop Gold®

LOT NUMBER:

ETG1333

PRODUCTION DATE:

17th April 2013**Description**

Tetrahop Gold® is an aqueous, alkaline solution of the potassium salts of tetrahydro-iso- α -acids. It is produced from a CO₂ extract of hops and is intended for use in beer or other food products.

Storage

Tetrahop Gold® should be stored at 15 – 25 °C (59 – 77 °F) Lot # ETG1333 is best if used by: 17th April 2015

<u>Characteristic</u>	<u>Specification</u>	<u>Value</u>	<u>Method</u>
Appearance:	Yellow to amber liquid	Passed	Visual
Identification (HPLC):	Meets test	Passed	HPLC
Assay: As tetrahydro-iso- α -acids by HPLC (w/w)	8.5% - 9.5%	8.85	HPLC method using current Tetra, ICS
pH:	8.5 – 11.0	10.38	pH meter
Heavy Metals*:	Less than 20 ppm	Passed	ICP**
Lead*:	Less than 5 ppm	Passed	ICP**

*NOTE: Tetrahop Gold® is regularly tested for heavy metals, lead to ensure compliance with the specification. Typical results are available on request.

** Inductively Coupled Plasma

PREPARED BY:

Jackie Richards

DATE:29th May 2013**Additional Information:**