



TotallyNaturalSolutions
aromas & flavours to inspire

Certificate of Analysis

CERTIFICATE OF ANALYSIS

Customer:	SBI	Order #:	Pieter (email order)
Product:	Tetra-hydro-iso-alpha-acids	Reference:	SO1503
Production Date:	May 2018	Lot Number:	HA-18-006

Parameter	Specification	Actual
Appearance	A golden-yellow aqueous solution	OK
Aroma	Characteristic hop aroma	OK
Tetra-hydro-iso- α -acids (THIAA) via HPLC	9.0 +/- 0.3 % w/w	9.09 % w/w
Tetra Area Purity via HPLC	>85 %	93.8 %
Iso- α -acids (IAA)	<0.1 % w/w	Not Detected
α -acids (AA)	<0.1 % w/w	Not Detected
pH (standard solution)	8.5 – 11.0	10.1
pH (1% solution)	>9.0	9.7
Density	1.020 $\pm$ 0.010 kg m ⁻³	1.020
Haze (1% w/w solution in deionised water)	<0.5 EBC Units	0.4
Legal requirements	Conforms to Codex Alimentarius	

Method: EBC 7.9 using ICS-T3 Recommended

storage conditions:

Store in a cool, dry place, avoiding exposure to direct sunlight.

In ambient conditions (10 – 25°C)	2 Year after packaging
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Passed for use by: Sign:

Print Name: COLIN WILSON

Date:

22 May 2018

Quality Control Passed: Sign

Print Name: L. Newbould

Date:

22 May 2018