

Certificate of Analysis

CERTIFICATE OF ANALYSIS

Customer:	SBI	Order #:	3429
Product:	HopAlpha Tetra (9%)	Reference:	SO2357
Quantity:	1 x 20 kg Net	Lot Number:	701B
Production Date:	May 2019	Package:	20 kg HDPE UN Drums

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Parameter	Specification	Actual	
Appearance	A golden-yellow aqueous solution	ОК	
Aroma	Characteristic hop aroma	ОК	
Tetra-hydro-iso-α-acids (THIAA) via HPLC	9.0 +/- 0.3 % w/w	9.28 % w/w	
Area Purity via HPLC	>85 %	93.37 %	
pH (standard solution)	8.5 - 11.0	10.2	
pH (1% solution)	>9.0	9.6	
Density	1.020 ± 0.010 kg/L	1.025	
Haze (1% w/w solution in de- ionised water, EBC 9.16)	<0.5 EBC Units	Conforms	
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

Certificate issued by: Lawrence Raybould Production Assistant For and on behalf of Totally Natural Solutions Limited Date: June 2019