



TotallyNaturalSolutions®
hop aromas & flavours to inspire

HopAlpha® Tetra 9%

Certificate of Analysis



Product Name: HopAlpha® Tetra 9%

TNS Product code: HA-46005

Batch: 1118

Date of Manufacture (MM/YYYY): 08/2020

Best Before Date (MM/YYYY): 08/2022

ANALYTICAL	TARGET		RESULTS
Appearance:	Yellow/Amber/Brown liquid		Amber liquid.
Odour	Hoppy, resinous, complies with retained sample		Complies.
Analytical Characteristics :	HPLC Analysis Tetrahydro-Iso Alpha acids	9% ± 0.3%	8.81%
	IAA	<0.2	0.15%
	Alpha Acids	<0.1	0.07%
	Area Purity	>90%	93.8%
	pH	9.0 – 11.0	10.82
	Specific Gravity	1.020 ± 0.010 kgm ⁻³	1.0231
Shelf Life:	2 years from manufacture		

Issued by (printed name and signature): John Cooper.

Date: 09.09.2020

Print Date: 14 September 2020

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