



TotallyNaturalSolutions®
hop aromas & flavours to inspire

HopAlpha® Tetra 9%

Certificate of Analysis



Product Name: HopAlpha® Tetra 9%

TNS Product code: HA-46005

Batch: HA-20001

Date of Manufacture (MM/YYYY) : Jan 2020

Best Before Date (MM/YYYY): Jan 2022

ANALYTICAL	TARGET		RESULTS
Appearance:	Yellow/Amber/Brown liquid		Complies
Odour	Hoppy, resinous, complies with retained sample		Complies
Analytical Characteristics:	HPLC Analysis (EBC 7.9) Tetrahydro-Iso Alpha acids	9% ± 0.3%	9.03
	Area Purity	>90%	>90%
	pH	9.0 – 11.0	9.15
	Specific Gravity	1.020 ± 0.010 kgm ⁻³	1.021
	Heavy Metals	<2ppm	Complies
Shelf Life:	2 years from manufacture		

Issued by (printed name and signature): Rachel BIGOT

Date: 31 Jan 2020

Print Date: 31 January 2020

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