



Certificate of Analysis

CoA ID	Date of Issue	Test Date
VTA-2590	10/22/2025	10/16/2025

Sample Type	Variety	Total Oil (mL/100G)
T90 Pellet	Vista	2.2
Alpha %	Beta %	HSI
9.5	3.1	0.258
HopTechnic-008 (Alpha & Beta Acids by HPLC, Modified EBC 7.8)		
HopTechnic-008 (HSI Determination by Calculation, Modified ASBC Hops-6)		
HopTechnic-116 (Total Oil Determination, ASBC Hops-16)		

Released by: 

Date: 10/22/2025



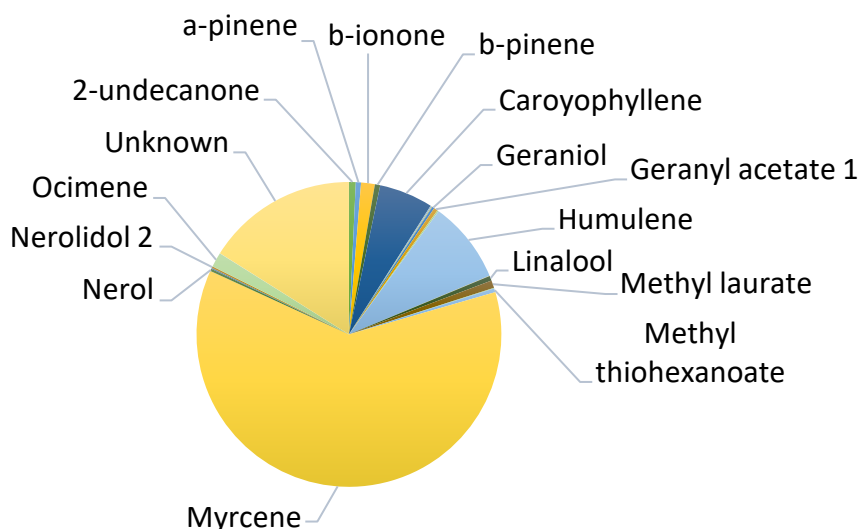
YAKIMA QUALITY HOPS

Testing completed by:

HopTechnic

Hop Oil Composition

CoA ID	Date of Issue	Test Date
VTA-2590	10/22/2025	10/16/2025
Sample Type	Variety	Total Oil (mL/100g)
VTA-2590	Vista	2.2
HopTechnic-116 (Total Oil Distillation, ASBC Hops-16)		
HopTechnic-116 (Terpenes Composition Analysis by GC-FID, modified ASBC Hops-17)		



Aroma Compound	% of Total Oil
2-Undecanone	0.72%
a-pinene	0.56%
B-ionone	1.46%
b-pinene	0.56%
Caryophyllene	5.71%
Caryophyllene oxide	0.01%
Citral	0.00%
Citronellene	0.12%
Citronellol	0.05%
Farnesene	0.05%
Geraniol	0.23%
Geranyl acetate 1	0.40%
Geranyl acetate 2	0.15%

Aroma Compound	% of Total Oil
Humulene	8.70%
Limonene	0.03%
Linalool	0.51%
Methyl Heptanoate	0.00%
Methyl Laurate	0.80%
Methyl Octanoate	0.06%
Methyl thiohexanoate	0.41%
Myrcene	61.31%
Nerol	0.25%
Nerolidol 1	0.10%
Nerolidol 2	0.19%
Ocimene	1.55%
Terpinolene	0.02%
Unidentified	16.06%

Released by: _____

Date: 10/22/2025

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509-865-6422

*Results are related only to the samples tested and may or may not be representative of the lot.

COA Rev. YQH 10/28/24

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