



Certificate of Analysis

CoA ID	Date of Issue	Test Date
521DSA2075901P	11/07/2025	10/30/2025, 11/04/2025

Sample Type	Variety	Total Oil (mL/100G)
T90 Pellet	Saaz (Osvald-72 c.v.)	1.1
Alpha %	Beta %	HSI
5.9	5.7	0.252
Alpha and Beta Acids (ASBC Spectrophotometric, ASBC Hops-6)		
Hop Storage Index (ASBC Spectrophotometric, ASBC Hops-6)		
HopTechnic-116 (Total Oil Determination, ASBC Hops-16)		

Released by: _____

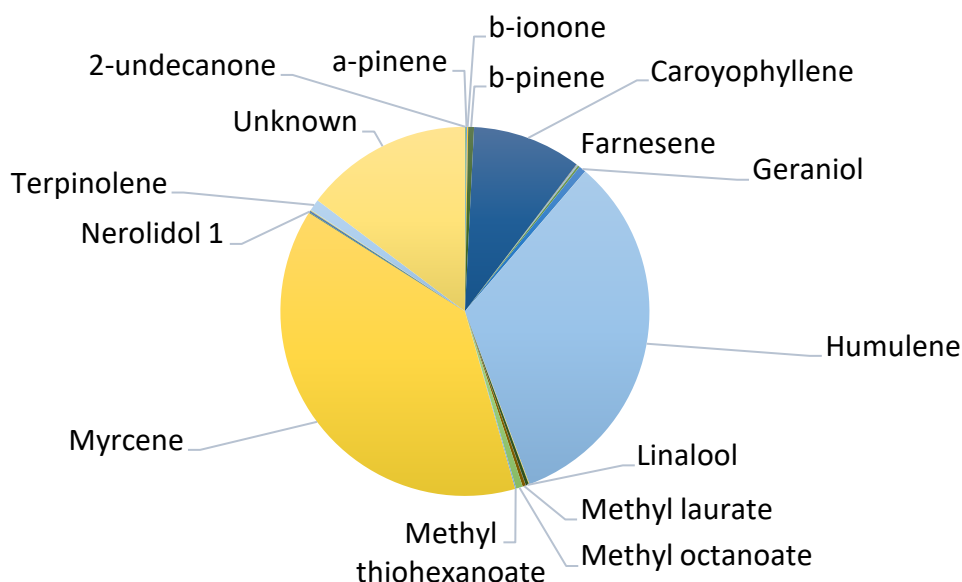
Date: 11/07/2025

*Alpha acid determination and HSI calculation by ASBC Hops-6 is not part of our accredited scope. For our list of accredited lab services, please inquire with the lab. Results are related only to the samples tested and may or may not be representative of the lot.



Hop Oil Composition

CoA ID	Date of Issue	Test Date
521DSA2075901P	11/07/2025	11/04/2025, 11/05/2025
Sample Type	Variety	Total Oil (mL/100g)
T90 Pellet	Saaz (Osval-72 c.v)	1.1
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	0.08%
a-pinene	0.10%
B-ionone	0.10%
b-pinene	0.51%
Caryophyllene	9.54%
Caryophyllene oxide	0.05%
Citral	0.00%
Citronellene	0.10%
Citronellol	0.02%
Farnesene	0.17%
Geraniol	0.62%
Geranyl acetate 1	0.01%
Geranyl acetate 2	0.00%

Aroma Compound	% of Total Oil
Humulene	33.01%
Limonene	0.06%
Linalool	0.26%
Methyl Heptanoate	0.02%
Methyl Laurate	0.28%
Methyl Octanoate	0.58%
Methyl thiohexanoate	0.10%
Myrcene	38.34%
Nerol	0.07%
Nerolidol 1	0.15%
Nerolidol 2	0.05%
Ocimene	0.05%
Terpinolene	1.00%
Unidentified	14.72%

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509-865-6422

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COA Rev. BSG 10/16/2024

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