# KPU - AGC Hops Service Certificate of Analysis

Customer:	Ray Bredenhof
Date of Arrival:	Sep.28, 23
Date of Analysis:	Oct.3, 23
Date of Report:	Oct.4, 23
Hop/Sample Name:	Comet
Sample Form:	Dried Flower
Mass of Hops (g):	82

# Report Number: 57-RB Image: Constraint of the second state of the

## Alpha/Beta Acid Analysis - ASBC Hops-14 Method

	Percent (%) by Mass
Alpha Acids	
Cohumulone	3.45
n+Adhumulone	5.60
Total Alpha Acids	9.05
Beta Acids	
Colupulone	2.24
n+Adlupulone	1.47
Total Beta Acids	3.71
HSI	0.21

### Essential Oil Analysis - EBC 7.12 Method

· · · · · ·	mg per g of Hops	Percent (%) by Hops Mass
β-Myrcene	6.2	0.62
β-Caryophyllene	1.0	0.10
trans-β-Farnesene	0.0	0.00
α-Humulene	0.1	0.01
Total 4 Major Hops Oils	7.3	0.73

### Analytical methods as noted in link below:

https://www.kpu.ca/sites/default/files/Applied%20Genomics%20Centre/KPU\_Hops\_Testing\_Info.pdf

### Terms and Conditions:

 $https://www.kpu.ca/sites/default/files/Applied\%20Genomics\%20Centre/KPU\_Hops\_Testing\_Services\_Terms\_and\_Conditions.pdf$ 

Samples kept for 1 month post-testing

Data reviewed by:

Mathias Schuetz, PhD KPU Applied Genomics Center