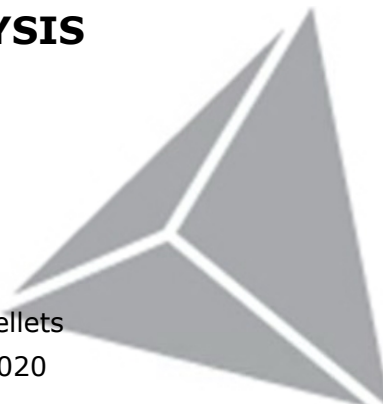


CERTIFICATE OF ANALYSIS

February 12, 2020

BSG Lot Number: 19G3CHI44
Variety: US Chinook
Crop Year: 2019
Product Type: Type 90 Hop Pellets
Analysis Date: February 11, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	11.6%	ASBC Spectrophotometric
BETA-ACIDS:	3.1%	ASBC Spectrophotometric
HSI:	0.307	ASBC Spectrophotometric
Total Oils:	1.70ml/100g	ASBC Hops - 13
B-Pinene:	<0.25%	ASBC Hops - 17
Myrcene:	57.8%	ASBC Hops - 17
Linalool:	0.6%	ASBC Hops - 17
Caryophyllene:	15.8%	ASBC Hops - 17
Geraniol:	2.0%	ASBC Hops - 17
Farnesene:	3.9%	ASBC Hops - 17
Other Oils:	19.9%	ASBC Hops - 17

Analyst: LMILLAR

Certified By 