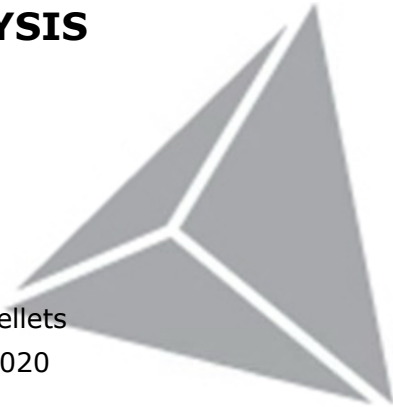


CERTIFICATE OF ANALYSIS

February 06, 2020

BSG Lot Number: 19G1CHI44
Variety: US Chinook
Crop Year: 2019
Product Type: Type 90 Hop Pellets
Analysis Date: February 03, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	12.4%	ASBC Spectrophotometric
BETA-ACIDS:	3.1%	ASBC Spectrophotometric
HSI:	0.288	ASBC Spectrophotometric
Total Oils:	1.84ml/100g	ASBC Hops - 13
B-Pinene:	0.5%	ASBC Hops - 17
Myrcene:	53.2%	ASBC Hops - 17
Linalool:	1.1%	ASBC Hops - 17
Caryophyllene:	8.4%	ASBC Hops - 17
Geraniol:	2.6%	ASBC Hops - 17
Farnesene:	1.4%	ASBC Hops - 17
Other Oils:	32.8%	ASBC Hops - 17

Analyst: LMILLAR

Certified By 