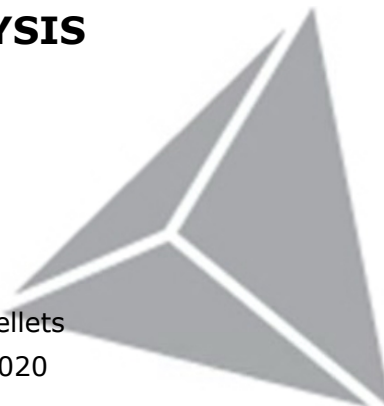


CERTIFICATE OF ANALYSIS

February 12, 2020

BSG Lot Number: 19G4CHI44
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:	12.7%	ASBC Spectrophotometric
BETA-ACIDS:	3.3%	ASBC Spectrophotometric
HSI:	0.293	ASBC Spectrophotometric
Total Oils:	1.80ml/100g	ASBC Hops - 13
B-Pinene:	<0.25%	ASBC Hops - 17
Myrcene:	56.6%	ASBC Hops - 17
Linalool:	0.6%	ASBC Hops - 17
Caryophyllene:	7.8%	ASBC Hops - 17
Geraniol:	1.1%	ASBC Hops - 17
Farnesene:	21.6%	ASBC Hops - 17
Other Oils:	12.3%	ASBC Hops - 17

Analyst: LMILLAR

Certified By

