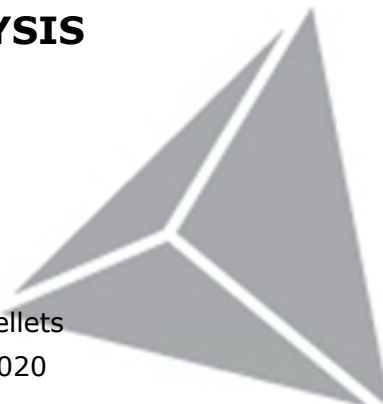


CERTIFICATE OF ANALYSIS

February 06, 2020

BSG Lot Number: 19D2WIL11
Variety: US Willamette
Crop Year: 2019
Product Type: Type 90 Hop Pellets
Analysis Date: February 03, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	5.3%	ASBC Spectrophotometric
BETA-ACIDS:	4.0%	ASBC Spectrophotometric
HSI:	0.329	ASBC Spectrophotometric
Total Oils:	1.55ml/100g	ASBC Hops - 13
B-Pinene:	<0.25%	ASBC Hops - 17
Myrcene:	41.0%	ASBC Hops - 17
Linalool:	0.8%	ASBC Hops - 17
Caryophyllene:	16.8%	ASBC Hops - 17
Geraniol:	1.4%	ASBC Hops - 17
Farnesene:	7.2%	ASBC Hops - 17
Other Oils:	32.8%	ASBC Hops - 17

Analyst: LMILLAR

Certified By 