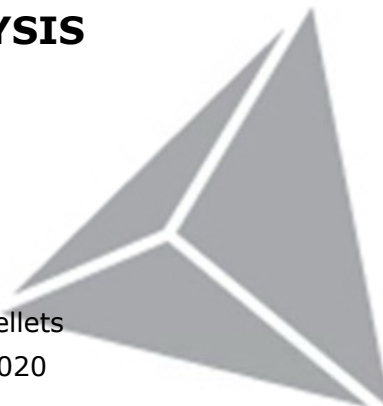


CERTIFICATE OF ANALYSIS

February 06, 2020

BSG Lot Number: 19Z2CAS11
Variety: US Cascade
Crop Year: 2019
Product Type: Type 90 Hop Pellets
Analysis Date: February 06, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	5.6%	ASBC Spectrophotometric
BETA-ACIDS:	6.8%	ASBC Spectrophotometric
HSI:	0.294	ASBC Spectrophotometric
Total Oils:	1.00ml/100g	ASBC Hops - 13
B-Pinene:	0.5%	ASBC Hops - 17
Myrcene:	47.6%	ASBC Hops - 17
Linalool:	0.4%	ASBC Hops - 17
Caryophyllene:	2.0%	ASBC Hops - 17
Geraniol:	1.6%	ASBC Hops - 17
Farnesene:	10.0%	ASBC Hops - 17
Other Oils:	37.9%	ASBC Hops - 17

Analyst: LMILLAR

Certified By 