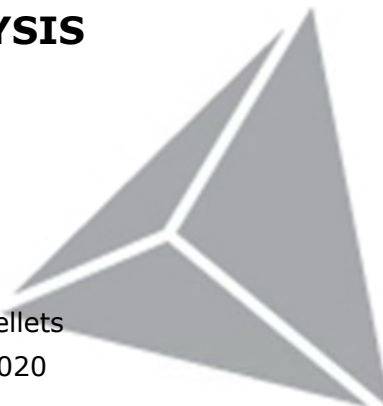


## CERTIFICATE OF ANALYSIS

February 06, 2020

**BSG Lot Number:** 19D1CAS11  
**Variety:** US Cascade  
**Crop Year:** 2019  
**Product Type:** Type 90 Hop Pellets  
**Analysis Date:** February 03, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	5.1%	ASBC Spectrophotometric
BETA-ACIDS:	6.3%	ASBC Spectrophotometric
HSI:	0.290	ASBC Spectrophotometric
Total Oils:	1.49ml/100g	ASBC Hops - 13
B-Pinene:	0.8%	ASBC Hops - 17
Myrcene:	59.6%	ASBC Hops - 17
Linalool:	0.8%	ASBC Hops - 17
Caryophyllene:	8.2%	ASBC Hops - 17
Geraniol:	1.8%	ASBC Hops - 17
Farnesene:	14.6%	ASBC Hops - 17
Other Oils:	14.2%	ASBC Hops - 17

Analyst: LMILLAR

Certified By

