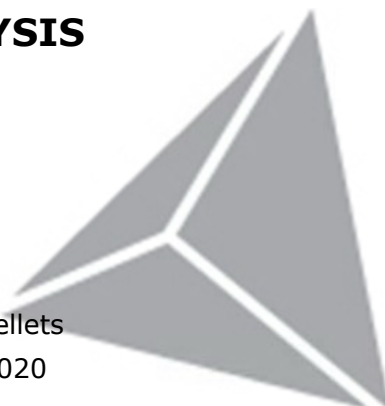


## CERTIFICATE OF ANALYSIS

February 11, 2020

**BSG Lot Number:** 19Z1TRO11  
**Variety:** HS-1228  
**Crop Year:** 2019  
**Product Type:** Type 90 Hop Pellets  
**Analysis Date:** February 11, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	10.5%	ASBC Spectrophotometric
BETA-ACIDS:	4.3%	ASBC Spectrophotometric
HSI:	0.321	ASBC Spectrophotometric
Total Oils:	1.94ml/100g	ASBC Hops - 13
B-Pinene:	<0.25%	ASBC Hops - 17
Myrcene:	69.4%	ASBC Hops - 17
Linalool:	1.0%	ASBC Hops - 17
Caryophyllene:	0.4%	ASBC Hops - 17
Geraniol:	0.9%	ASBC Hops - 17
Farnesene:	25.4%	ASBC Hops - 17
Other Oils:	2.9%	ASBC Hops - 17

Analyst: LMILLAR

Certified By

