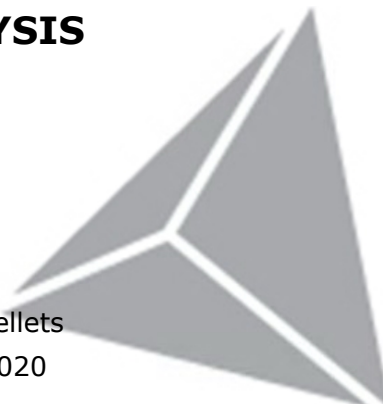


CERTIFICATE OF ANALYSIS

February 06, 2020

BSG Lot Number: 19D2CTZ11
Variety: US CTZ
Crop Year: 2019
Product Type: Type 90 Hop Pellets
Analysis Date: February 03, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	14.2%	ASBC Spectrophotometric
BETA-ACIDS:	4.6%	ASBC Spectrophotometric
HSI:	0.310	ASBC Spectrophotometric
Total Oils:	2.55ml/100g	ASBC Hops - 13
B-Pinene:	0.31%	ASBC Hops - 17
Myrcene:	30.4%	ASBC Hops - 17
Linalool:	<0.25%	ASBC Hops - 17
Caryophyllene:	4.6%	ASBC Hops - 17
Geraniol:	1.4%	ASBC Hops - 17
Farnesene:	13.6%	ASBC Hops - 17
Other Oils:	49.69%	ASBC Hops - 17

Analyst: LMILLAR

Certified By 