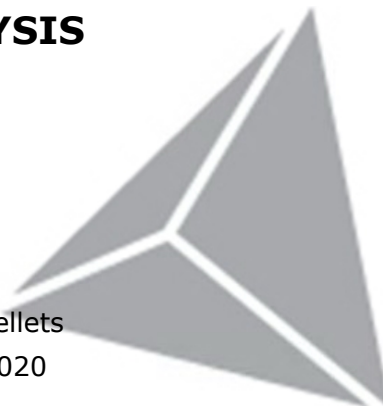


CERTIFICATE OF ANALYSIS

February 07, 2020

BSG Lot Number: 19V12AMA11
Variety: US Amarillo ®
Crop Year: 2019
Product Type: Type 90 Hop Pellets
Analysis Date: February 05, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	9.6%	ASBC Spectrophotometric
BETA-ACIDS:	5.9%	ASBC Spectrophotometric
HSI:	0.288	ASBC Spectrophotometric
Total Oils:	1.54ml/100g	ASBC Hops - 13
B-Pinene:	<0.25%	ASBC Hops - 17
Myrcene:	50.8%	ASBC Hops - 17
Linalool:	1.3%	ASBC Hops - 17
Caryophyllene:	7.6%	ASBC Hops - 17
Geraniol:	1.4%	ASBC Hops - 17
Farnesene:	14.8%	ASBC Hops - 17
Other Oils:	24.1%	ASBC Hops - 17

Analyst: LMILLAR

Certified By

