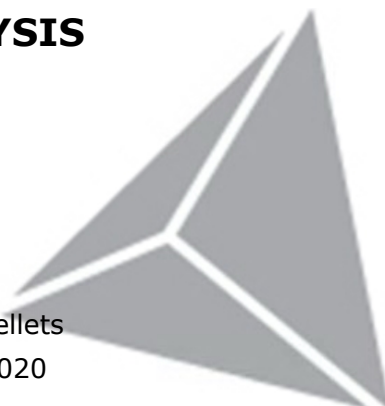


CERTIFICATE OF ANALYSIS

February 07, 2020

BSG Lot Number: 19V13AMA11
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:	9.2%	ASBC Spectrophotometric
BETA-ACIDS:	5.9%	ASBC Spectrophotometric
HSI:	0.291	ASBC Spectrophotometric
Total Oils:	1.50ml/100g	ASBC Hops - 13
B-Pinene:	0.31%	ASBC Hops - 17
Myrcene:	27.8%	ASBC Hops - 17
Linalool:	<0.25%	ASBC Hops - 17
Caryophyllene:	5.8%	ASBC Hops - 17
Geraniol:	1.4%	ASBC Hops - 17
Farnesene:	22.4%	ASBC Hops - 17
Other Oils:	42.29%	ASBC Hops - 17

Analyst: LMILLAR

Certified By

