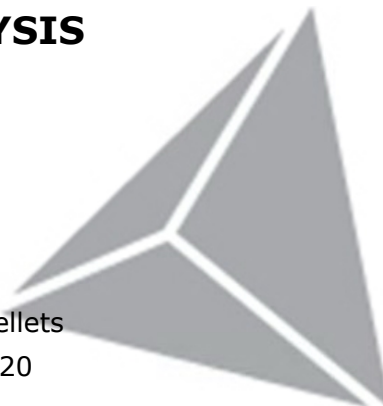


CERTIFICATE OF ANALYSIS

February 06, 2020

BSG Lot Number: 19C1CRY11
Variety: US Crystal
Crop Year: 2019
Product Type: Type 90 Hop Pellets
Analysis Date: January 31, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	2.5%	ASBC Spectrophotometric
BETA-ACIDS:	6.0%	ASBC Spectrophotometric
HSI:	0.269	ASBC Spectrophotometric
Total Oils:	1.19ml/100g	ASBC Hops - 13
B-Pinene:	<0.25%	ASBC Hops - 17
Myrcene:	60.8%	ASBC Hops - 17
Linalool:	1.4%	ASBC Hops - 17
Caryophyllene:	12.8%	ASBC Hops - 17
Geraniol:	2.2%	ASBC Hops - 17
Farnesene:	7.6%	ASBC Hops - 17
Other Oils:	15.2%	ASBC Hops - 17

Analyst: LMILLAR

Certified By 