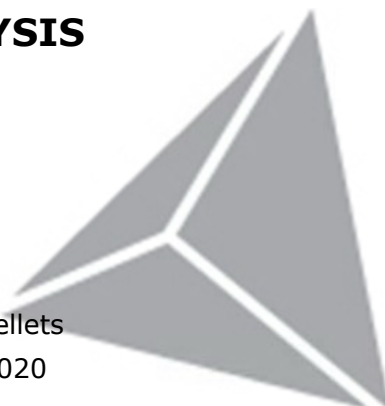


## CERTIFICATE OF ANALYSIS

February 06, 2020

**BSG Lot Number:** 19Q1NUG11  
**Variety:** US Nugget  
**Crop Year:** 2019  
**Product Type:** Type 90 Hop Pellets  
**Analysis Date:** February 05, 2020



Measurement Type	Data Value	Analysis Method
ALPHA-ACIDS:	15.2%	ASBC Spectrophotometric
BETA-ACIDS:	4.5%	ASBC Spectrophotometric
HSI:	0.303	ASBC Spectrophotometric
Total Oils:	2.09ml/100g	ASBC Hops - 13
B-Pinene:	0.31%	ASBC Hops - 17
Myrcene:	59.0%	ASBC Hops - 17
Linalool:	1.4%	ASBC Hops - 17
Caryophyllene:	10.0%	ASBC Hops - 17
Geraniol:	1.6%	ASBC Hops - 17
Farnesene:	24.0%	ASBC Hops - 17
Other Oils:	3.69%	ASBC Hops - 17

Analyst: LMILLAR

Certified By

