

Statement of Results

Samples provided by Spike Brewing were tested by in-house method to quantitate the content of Dimethylsulfide (DMS).

Following samples were analyzed on 10-30-2019:

Sample	Condition
1, 2	(2) Pre-Boil
3,4	(2) 30min covered
5,6	(2) 60min covered
7,8	(2) 65min uncovered
9,10	(2) 70min uncovered
11,12	(2) 75min uncovered

The analysis was performed under following instrument conditions:

GC

Column: SH-RXi-5SiIMS, 30.0 m x 0.25 mm x 0.25µm

Injector Liner: 4 mm, Split

Injection Temperature: 200 °C

Oven Temperature Program:	Rate (°C/min)	Temperature (°C)	Hold Time (min)
	0	30	3
	25	300	1

Carrier Gas (He): 1.43 mL/min (constant flow)

Split 25:1

Run Time: 14.8 min

Injection Volume: 1 µL

Ionization Mode: EI

SIM Ion: 62

MS Setting

Transfer Line Temperature: 320 °C

Solvent Delay 0.5 min

Gain: 1.0

Resolution Low

MS Source 250 °C

The quantitation was performed against external calibration curve. Following results were obtained for samples tested:

Sample Identifier	DMS Content [ppb]
1	492
2	519
3	43
4	43
5	<25
6	<25
7	<25
8	<25
9	<25
10	<25
11	<25
12	<25

Verified by:



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