

Fall 2018 Assigned Value and Standard Deviation

Beer

Analyte	CL-2018-56 (Assigned Value/SD)	CL-2018-57 (Assigned Value/SD)
Alcohol by weight (%)	3.86+/-0.04	4.35+/-0.04
Real extract by weight (%)	3.76+/-0.21	4.53+/-0.10
Specific gravity	1.00780+/-0.00084	1.010015+/-0.00015
pH	4.62+/-0.15	4.38+/-0.10
Bitterness (BU)	16.7+/-1.33	36.7+/-3.29
Color (deg SRM)	4.25+/-0.67	11.85+/-0.22

Wine

Analyte	CL-2018-60 (Assigned Value/SD)	CL-2018-61 (Assigned Value/SD)
Alcohol by Volume (%)	13.2+/- 0.24	13.4+/-0.33
Total Extract (g/L)	28.0+/-0.29	29.1+/-0.60
Total Acidity (tartaric g/L)	5.6+/-0.59	5.4+/-0.4
Volatile Acidity (acetic g/L)	0.48+/-0.09	0.31+/-0.04
Citric Acid (g/L)	0.20+/-0.07	0.30+/-0.07
Total SO2 (mg/L)	80.0+/-5.9	137.3+/-11.6
Residual Sugars (g/L)	7.0+/-1.2	7.1+/-1.3
Sorbic Acid (mg/L)	0.5+/-0.1	0.6+/-0.1
Methanol (mg/L)	43.0+/-9.6	46.0+/-14.0

Distilled Spirit

Analyte	CL-2018-58(Assigned Value /SD)	CL-2018-59(Assigned Value/ SD)
Apparent proof (60°F)	80.1+/-0.05	79.84+/-0.07
True proof (obs.)	80.1+/-0.04	79.9+/-0.04
True proof (distil)	80.0+/-0.27	79.8+/-0.06
Total solids ((g/100L)	6.25+/-2.3	2.5+/-3.1
Specific gravity	0.94955+/-0.00007	0.94976+/-0.00003
TA (g/100L)	3.19+/-1.7	0.11+/-0.11
Methanol (% vol)	0.13+/-0.01	0.00+/-0.00
Ethyl acetate (g/100L)	5.33+/-3.0	0.0+/-0.0
n-propyl (g/100L)	17.1+/-2.5	0.0+/-0.0
Iso-butyl (g/100L)	39.1+/-4.3	0.0+/-0.0
n-butyl (g/100L)	0.35+/-0.2	0.0+/-0.0
Amyl (g/100L)	113.4+/-14.2	0.0+/-0.0
Furfural (g/100L)	8.35+/-11.0	0.0+/-0.0