



SmartCAP® Test Data

Pallet Number (6 barrels per pallet)	Control - No cap Test-with Smart Cap	Bond #	Start Weight kg	Start Date	End Weight kg	End Date	Loss kg	% of Loss	% Annualized Loss
1	CONTROL	JAN-19	1209.0	8/25/2020	1200.0	1/23/2021	9.0	0.744	1.79
2	CONTROL	APR-19	1235.5	7/25/2020	1221.5	1/23/2021	14.0	1.133	2.27
3	CONTROL	JUL-19	1231.5	7/25/2020	1219.5	1/23/2021	12.0	0.974	1.95
4	CONTROL	JUL-19	1187.0	7/25/2020	1166.5	1/23/2021	20.5	1.727	3.45
5	CONTROL	JUL-19	1308.5	7/25/2020	1284.0	1/23/2021	24.5	1.872	3.74
6	CONTROL	APR-19	1219.5	7/25/2020	1196.5	1/23/2021	23.0	1.886	3.77
7	CONTROL	APR-19	1209.5	7/25/2020	1191.5	1/23/2021	18.0	1.488	2.98
8	CONTROL	JUL-19	1261.5	7/25/2020	1243.5	1/23/2021	18.0	1.427	2.85
9	CONTROL	OCT-19	1251.5	7/25/2020	1225.5	1/23/2021	26.0	2.078	4.16
10	CONTROL	APR-19	1315.0	7/25/2020	1294.0	1/23/2021	21.0	1.597	3.19

AVERAGE CONTROL - NO CAP 3.02

1	TEST	APR-19	1310.0	7/25/2020	1290.5	1/23/2021	19.5	1.489	2.98
2	TEST	JUL-19	1327.0	7/25/2020	1308.0	1/23/2021	19.0	1.432	2.86
3	TEST	OCT-19	1342.0	7/25/2020	1331.0	1/23/2021	11.0	0.820	1.64
4	TEST	APR-19	1296.0	7/25/2020	1277.5	1/23/2021	18.5	1.427	2.85
5	TEST	JUL-19	1285.5	7/25/2020	1266.0	1/23/2021	19.5	1.517	3.03
6	TEST	APR-19	1275.0	7/25/2020	1255.5	1/23/2021	19.5	1.529	3.06
7	TEST	JUL-19	1318.0	7/25/2020	1303.0	1/23/2021	15.0	1.138	2.28
8	TEST	JAN-19	1209.0	8/25/2020	1198.0	1/23/2021	11.0	0.910	2.18
9	TEST	JAN-19	1238.5	8/25/2020	1228.0	1/23/2021	10.5	0.848	2.03
10	TEST	OCT-19	1278.0	8/25/2020	1274.5	1/23/2021	3.5	0.274	0.66

AVERAGE TEST WITH SMART CAP 2.36

Test Conducted using once used American Bourbon barrels and multi use Canadian Whiskey barrels.
Test Conducted in Amherstburg, Ontario, Canada in unheated warehouse.

	Test Environment Data	Average Initial Spirit Strength	Age of spirit used	
	Aug-20	Jan-21	76% abv	2-3 years
Average Hi Temperature	28C	OC		
Average Low temperature	22C	-1C		
Average Relative Humidity	60%	80%		

AVERAGE LOSS ANNUALIZED CONTROL % 3.02
TEST % 2.36

EVAPORATION REDUCTION 21.80%

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