



SmartCAP® Test Data 1

TEST DURATION -2 YEARS + , STOCK AGE AT START DATE - APPROX 1 YEAR

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	% Annualized loss Liquid Only (est)
1	CONTROL	JAN-19	1209.0	8/25/2020	1145.5	8/27/2022	63.5	5.25	2.62	3.48
2	CONTROL	APR-19	1235.5	7/25/2020	1180.0	8/27/2022	55.5	4.49	2.15	2.84
3	CONTROL	JUL-19	1231.5	7/25/2020	1177.0	8/27/2022	54.5	4.43	2.12	2.80
4	CONTROL	JUL-19	1187.0	7/25/2020	1118.5	8/27/2022	68.5	5.77	2.76	3.69
5	CONTROL	JUL-19	1308.5	7/25/2020	1217.5	8/27/2022	91.0	6.95	3.33	4.32
6	CONTROL	APR-19	1219.5	7/25/2020	1108.5	8/27/2022	111.0	9.10	4.35	5.77
7	CONTROL	APR-19	1209.5	7/25/2020	1121.5	8/27/2022	88.0	7.28	3.48	4.63
8	CONTROL	JUL-19	1261.5	7/25/2020	1167.0	8/27/2022	94.5	7.49	3.58	4.70
9	CONTROL	OCT-19	1251.5	7/25/2020	1131.0	8/27/2022	120.5	9.63	4.61	6.06
10	CONTROL	APR-19	1315.0	7/25/2020	1240.5	8/27/2022	74.5	5.67	2.71	3.51
AVERAGE CONTROL - NO CAP									3.17	4.18
1	TEST	APR-19	1310.0	7/25/2020	1239.0	8/27/2022	71.0	5.42	2.59	3.36
2	TEST	JUL-19	1327.0	7/25/2020	1252.5	8/27/2022	74.5	5.61	2.69	3.47
3	TEST	OCT-19	1342.0	7/25/2020	1271.5	8/27/2022	70.5	5.25	2.51	3.24
4	TEST	APR-19	1296.0	7/25/2020	1195.5	8/27/2022	100.5	7.75	3.71	4.83
5	TEST	JUL-19	1285.5	7/25/2020	1192.5	8/27/2022	93.0	7.23	3.46	4.51
6	TEST	APR-19	1275.0	7/25/2020	1198.0	8/27/2022	77.0	6.04	2.89	3.78
7	TEST	JUL-19	1318.0	7/25/2020	1255.5	8/27/2022	62.5	4.74	2.27	2.94
8	TEST	JAN-19	1209.0	8/25/2020	1143.0	8/27/2022	66.0	5.46	2.72	3.62
9	TEST	JAN-19	1238.5	8/25/2020	1156.5	8/27/2022	82.0	6.62	3.30	4.36
10	TEST	OCT-19	1278.0	8/25/2020	1224.5	8/27/2022	53.5	4.19	2.09	2.73
AVERAGE TEST WITH SMART CAP									2.82	3.68

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

Test Environment Data

	Aug-20	Jan-21	Aug-21	Jan-22	Aug-22
Average Hi Temperature	27C	0C	28C	-2C	27C
Average Low temperature	17C	-4C	12C	-10C	17C
Average Relative Humidity	75%	80%	79%	74%	76%

AVERAGE LOSS ANNUALIZED **CONTROL %** **4.18**
TEST % **3.68**

EVAPORATION REDUCTION **0.50%**

smartdistilling.com





SmartCAP® Test Data 2

TEST DURATION -1 YEAR + , STOCK AGE AT START DATE - APPROX 1 MONTH

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	% Annualized loss Liquid Only (est)
1	CONTROL	JAN-22	1401.5	2/3/2022	1343.5	3/1/2023	58.0	4.14	3.86	4.92
2	CONTROL	JAN-22	1429.0	2/3/2022	1391.0	3/1/2023	38.0	2.66	2.48	3.14
3	CONTROL	JAN-22	1423.5	2/3/2022	1359.5	3/1/2023	64.0	4.50	4.20	5.32
4	CONTROL	JAN-22	1396.0	2/3/2022	1328.0	3/1/2023	68.0	4.87	4.55	5.79
5	CONTROL	JAN-22	1419.0	2/3/2022	1372.0	3/1/2023	47.0	3.31	3.09	3.92
6	CONTROL	JAN-22	1401.5	2/3/2022	1340.5	3/1/2023	61.0	4.35	4.06	5.17
7	CONTROL	JAN-22	1429.0	2/3/2022	1370.0	3/1/2023	59.0	4.13	3.85	4.88
8	CONTROL	JAN-22	1409.5	2/3/2022	1352.0	3/1/2023	57.5	4.08	3.81	4.84
9	CONTROL	JAN-22	1425.5	2/3/2022	1365.0	3/1/2023	60.5	4.24	3.96	5.02
AVERAGE CONTROL - NO CAP									3.76	4.78
1	TEST	JAN-22	1436.5	2/3/2022	1367.5	3/1/2023	69.0	4.80	4.48	5.67
2	TEST	JAN-22	1434.0	2/3/2022	1378.0	3/1/2023	56.0	3.91	3.65	4.61
3	TEST	JAN-22	1417.0	2/3/2022	1376.5	3/1/2023	40.5	2.86	2.67	3.38
4	TEST	JAN-22	1421.5	2/3/2022	1384.5	3/1/2023	37.0	2.60	2.43	3.08
5	TEST	JAN-22	1436.5	2/3/2022	1411.0	3/1/2023	25.5	1.78	1.66	2.09
6	TEST	JAN-22	1440.5	2/3/2022	1385.0	3/1/2023	55.5	3.85	3.60	4.54
7	TEST	JAN-22	1439.5	2/3/2022	1404.5	3/1/2023	35.0	2.43	2.3	2.87
8	TEST	JAN-22	1404.5	2/3/2022	1366.0	3/1/2023	38.5	2.74	2.56	3.25
9	TEST	JAN-22	1411.5	2/3/2022	1379.5	3/1/2023	32.0	2.27	2.12	2.69
10	TEST	JAN-22	1413.5	2/3/2022	1359.0	3/1/2023	54.5	3.86	3.60	4.57
AVERAGE TEST WITH SMART CAP									2.90	3.68

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

Test Environment Data

	Feb-22	Aug-22	Feb-23
Average Hi Temperature	0C	27C	5C
Average Low temperature	-3C	17C	-4C
Average Relative Humidity	78%	76%	73%

AVERAGE LOSS ANNUALIZED **CONTROL %** **4.78**
TEST % **3.68**

EVAPORATION REDUCTION **1.10%**

smartdistilling.com

