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Fall 2021 **Water Activity** Humidity Analysis Test - 12
“7 part Water Activity on hemp bud” [#55246]

31 participating laboratories

1 analytes of interest

Matrix: Hemp Bud

Acceptance Criteria: $\pm 40\%$ Recovery

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Summary of Statistical Data

Component	Consensus Mean	Standard Deviation	Deviation %	Assigned Value	Mean Recovery %	# Accepted	% Accepted	# Not Accepted	% Not Accepted	# Outliers
Water activity	0.960	0.024	2.474	0.97	98.969	30	100	0	0	1



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Raw Data Table

Lab ID number	Water Activity Aw
1242	0.98
1280	0.98
1395	0.9606
1409	0.983
1420	0.92
1438	0.9351
1448	0.9735
1528	0.932
1555	0.9774
1609	0.9824
2029	0.955
2036	0.95
2084	0.983
2250	0.9774
2284	0.9511
2308	0.922
2350	0.9648
2372	0.9737
2384	0.9712
2398	0.979
2423	0.76
2427	0.95
2451	0.9545
2480	0.9718
2535	0.898
2619	0.96
2707	0.922
2722	0.9704
2753	0.98
2761	0.9931



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Percent Recovery Data Table

Analyst	Water Activity Aw
1242	104.26%
1280	104.26%
1395	102.19%
1409	104.57%
1420	97.87%
1438	99.48%
1448	103.56%
1528	99.15%
1555	103.98%
1609	104.51%
2029	101.60%
2036	101.06%
2084	104.57%
2250	103.98%
2284	101.18%
2308	98.09%
2350	102.64%
2372	103.59%
2384	103.32%
2398	104.15%
2423	80.85%
2427	101.06%
2451	101.54%
2480	103.38%
2535	95.53%
2619	102.13%
2707	98.09%
2722	103.23%
2753	104.26%
2761	105.65%



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Z-Score Data Table

Account	Water activity
1242	0.84
1280	0.84
1395	0.01
1409	0.97
1420	-1.74
1438	-1.09
1448	0.56
1528	-1.22
1555	0.73
1609	0.95
2029	-0.23
2036	-0.45
2084	0.97
2250	0.73
2284	-0.40
2308	-1.65
2350	0.19
2372	0.57
2384	0.47
2398	0.80
2423	NA/Outlier
2427	-0.45
2451	-0.25
2480	0.49
2535	-2.68
2619	-0.02
2707	-1.65
2722	0.43
2753	0.84
2761	1.41



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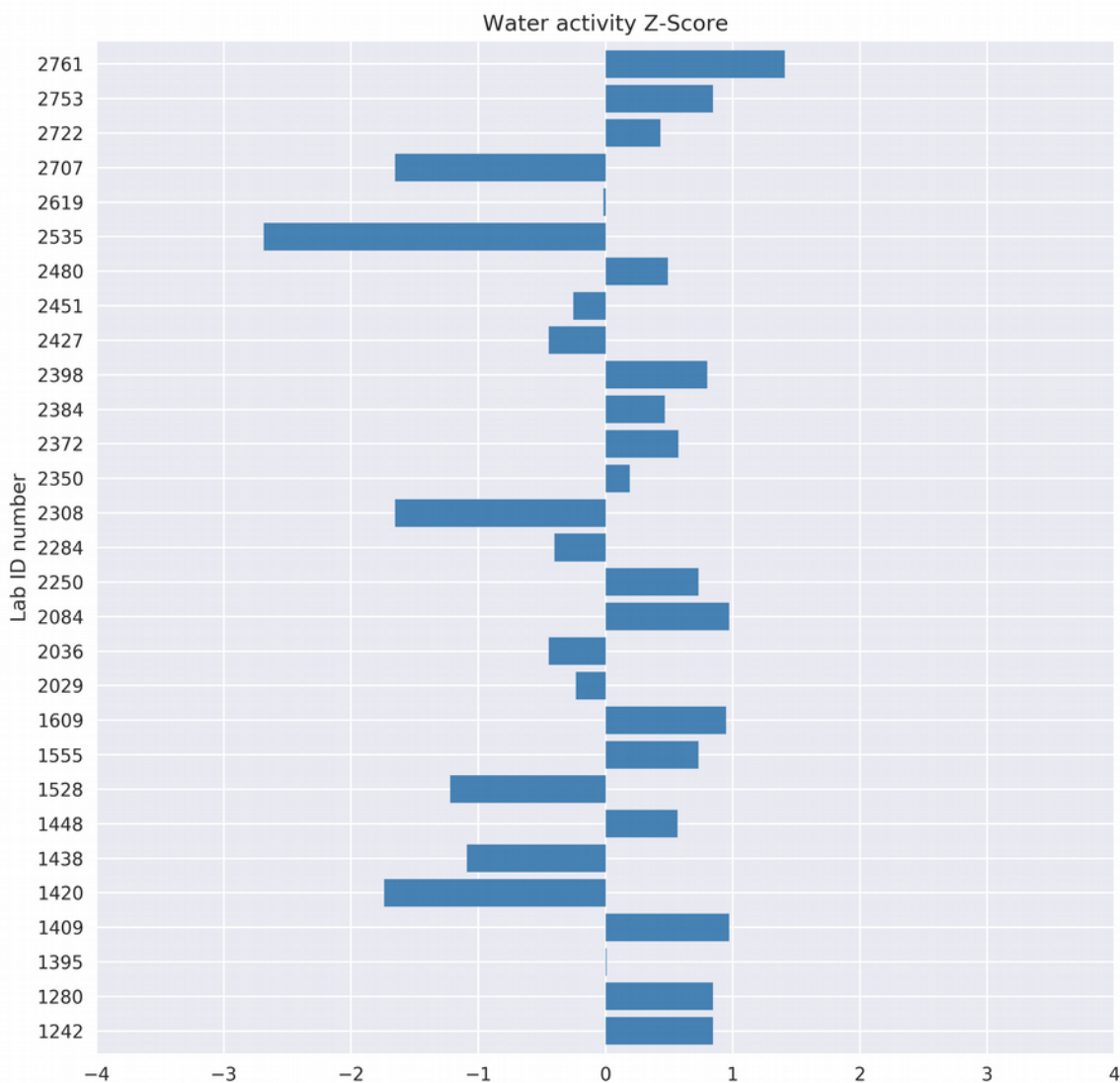
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Z-Score Graph





Gaussian Normal Distribution Plots

