



# EMERALD TEST

INTER-LAB COMPARISON &  
PROFICIENCY TEST  
877-567-3598  
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Spring 2021 **Water Activity** Proficiency Test - 13

“Water activity (Humidity) PT in 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	0.923	0.013	1.383	0.94	98.191	31	100	0	0	1



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## Raw Data Table

Analyst No.	Water Activity Aw
4910	0.8954
4957	0.9279
4993	0.934
5017	0.9285
5018	0.916
5043	0.9276
5053	0.9333
5062	0.9399
5068	0.8929
5108	0.9394
5116	0.9265
5131	0.942
5146	0.9224
5164	0.9323
5251	0.909
5254	0.9076
5269	0.93
5279	0.91
5298	0.9311
5308	0.9335
5316	0.9236
5339	0.9029
5356	0.9197
5374	0.9189
5386	0.9272
5403	0.9247
5415	0.9441
5426	0.9349
5453	0.92
5455	0.8802
6766	0.9061



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## Percent Recovery Data Table

Analyst	Water Activity Aw
4910	95.26%
4957	98.71%
4993	99.36%
5017	98.78%
5018	97.45%
5043	98.68%
5053	99.29%
5062	99.99%
5068	94.99%
5108	99.94%
5116	98.56%
5131	100.21%
5146	98.13%
5164	99.18%
5251	96.70%
5254	96.55%
5269	98.94%
5279	96.81%
5298	99.05%
5308	99.31%
5316	98.26%
5339	96.05%
5356	97.84%
5374	97.76%
5386	98.64%
5403	98.37%
5415	100.44%
5426	99.46%
5453	97.87%
5455	93.64%
6766	96.39%



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## Z-Score Data Table

Account	Water activity
4910	-2.13
4957	0.34
4993	0.81
5017	0.39
5018	-0.56
5043	0.32
5053	0.75
5062	1.26
5068	-2.32
5108	1.22
5116	0.24
5131	1.42
5146	-0.07
5164	0.68
5251	-1.09
5254	-1.20
5269	0.50
5279	-1.02
5298	0.59
5308	0.77
5316	0.02
5339	-1.56
5356	-0.28
5374	-0.34
5386	0.29
5403	0.10
5415	1.58
5426	0.88
5453	-0.26
5455	Outlier
6766	-1.31



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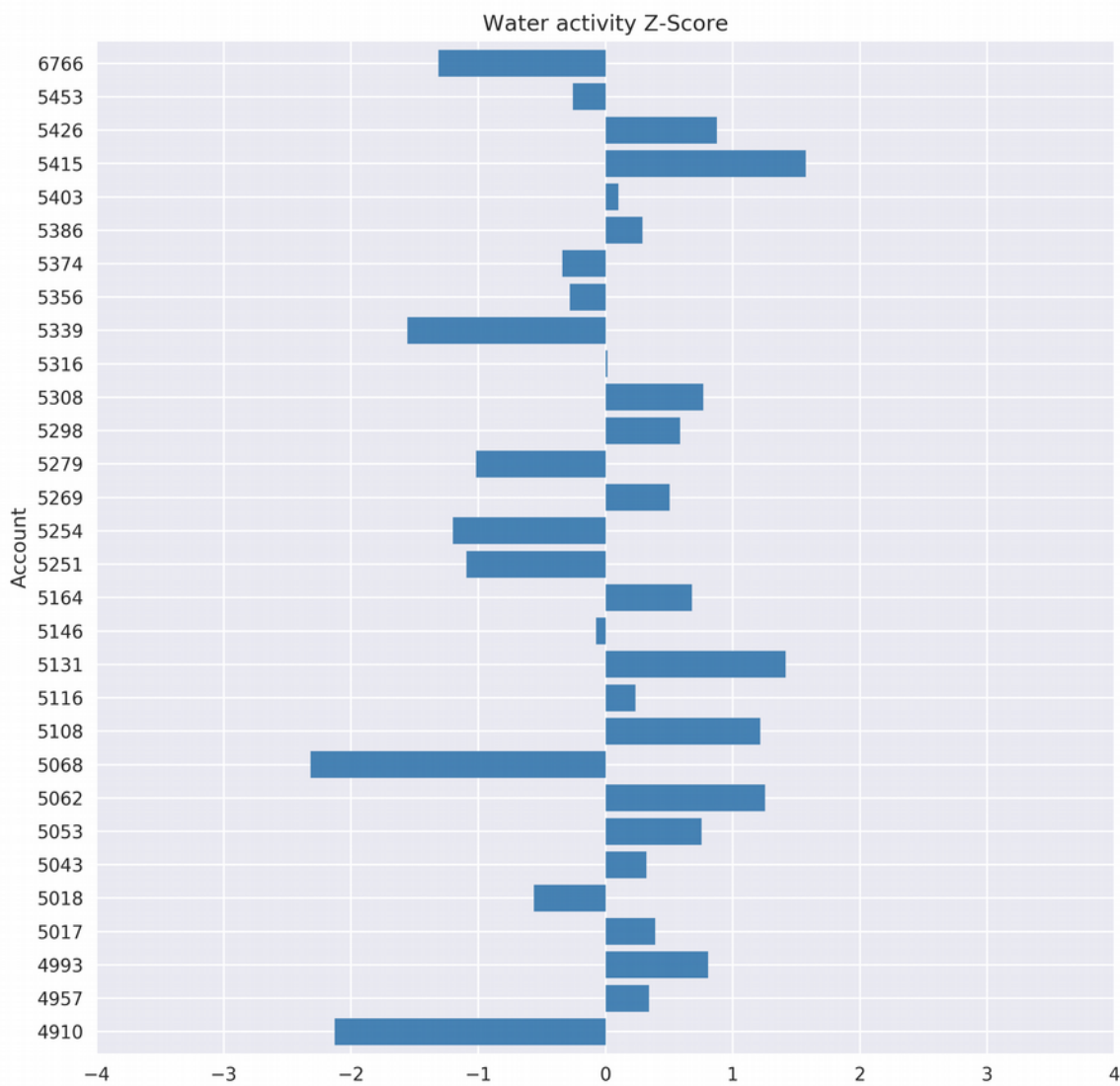
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### Z-Score Graph





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## Gaussian Normal Distribution Plots

