



**EMERALD TEST**

INTER-LAB COMPARISON &  
PROFICIENCY TEST  
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Spring 2022 **Moisture Content** Humidity Analysis Test - 12

“Percent Moisture in hemp bud” [#55237]

43 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
Percent Moisture	6.389	1.494	19.658	7.6	84.066	36	84	7	16	1



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## Raw Data Table

Lab ID number	Percent Moisture %
5079	3.603
5102	7.9
5106	6.74
5120	5
5133	7.58
5157	5.08
5183	8.88
5223	4.4
5234	5.58
5244	3.58
5261	8.04
5280	3.1
5306	6.39
5327	6.18
5348	5.92
5355	7.53
5386	8.34
5392	7.73
5439	5.83
5442	7.11
5454	5.5
5455	4.06
5498	6.8
5523	9.09
5530	7.53
5539	6
5547	6.77
5548	5.15
5555	7.95
5567	4.7
5578	6.79
5597	5.96

Lab ID number	Percent Moisture %
5598	8.35
5609	7.1
5615	5.35
5620	5.91
5621	7.85
5628	7.815
5629	3.79
5700	6.75
5701	7.35
5725	3.8
5764	6.57



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### Percent Recovery Data Table

Analyst	Percent Moisture %
5079	47.41%
5102	103.95%
5106	88.68%
5120	65.79%
5133	99.74%
5157	66.84%
5183	116.84%
5223	57.89%
5234	73.42%
5244	47.11%
5261	105.79%
5280	40.79%
5306	84.08%
5327	81.32%
5348	77.89%
5355	99.08%
5386	109.74%
5392	101.71%
5439	76.71%
5442	93.55%
5454	72.37%
5455	53.42%
5498	89.47%
5523	119.61%
5530	99.08%
5539	78.95%
5547	89.08%
5548	67.76%
5555	104.61%
5567	61.84%
5578	89.34%
5597	78.42%

Analyst	Percent Moisture %
5598	109.87%
5609	93.42%
5615	70.39%
5620	77.76%
5621	103.29%
5628	102.83%
5629	49.87%
5629	49.87%
5700	88.82%
5701	96.71%
5725	50.00%
5764	86.45%



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## Z-Score Data Table

Account	Water activity
5079	-1.89
5102	1.02
5106	0.24
5120	-0.94
5133	0.81
5157	-0.89
5183	1.69
5223	-1.35
5234	-0.55
5244	-1.90
5261	1.12
5280	Outlier
5306	0.00
5327	-0.14
5348	-0.32
5355	0.77
5386	1.32
5392	0.91
5439	-0.38
5442	0.49
5454	-0.60
5455	-1.58
5498	0.28
5523	1.83
5530	0.77
5539	-0.26
5547	0.26
5548	-0.84
5555	1.06
5567	-1.14
5578	0.27
5597	-0.29

Account	Water activity
5598	1.33
5609	0.48
5615	-0.70
5620	-0.32
5621	0.99
5628	0.97
5629	-1.76
5700	0.24
5701	0.65
5725	-1.75
5764	0.12



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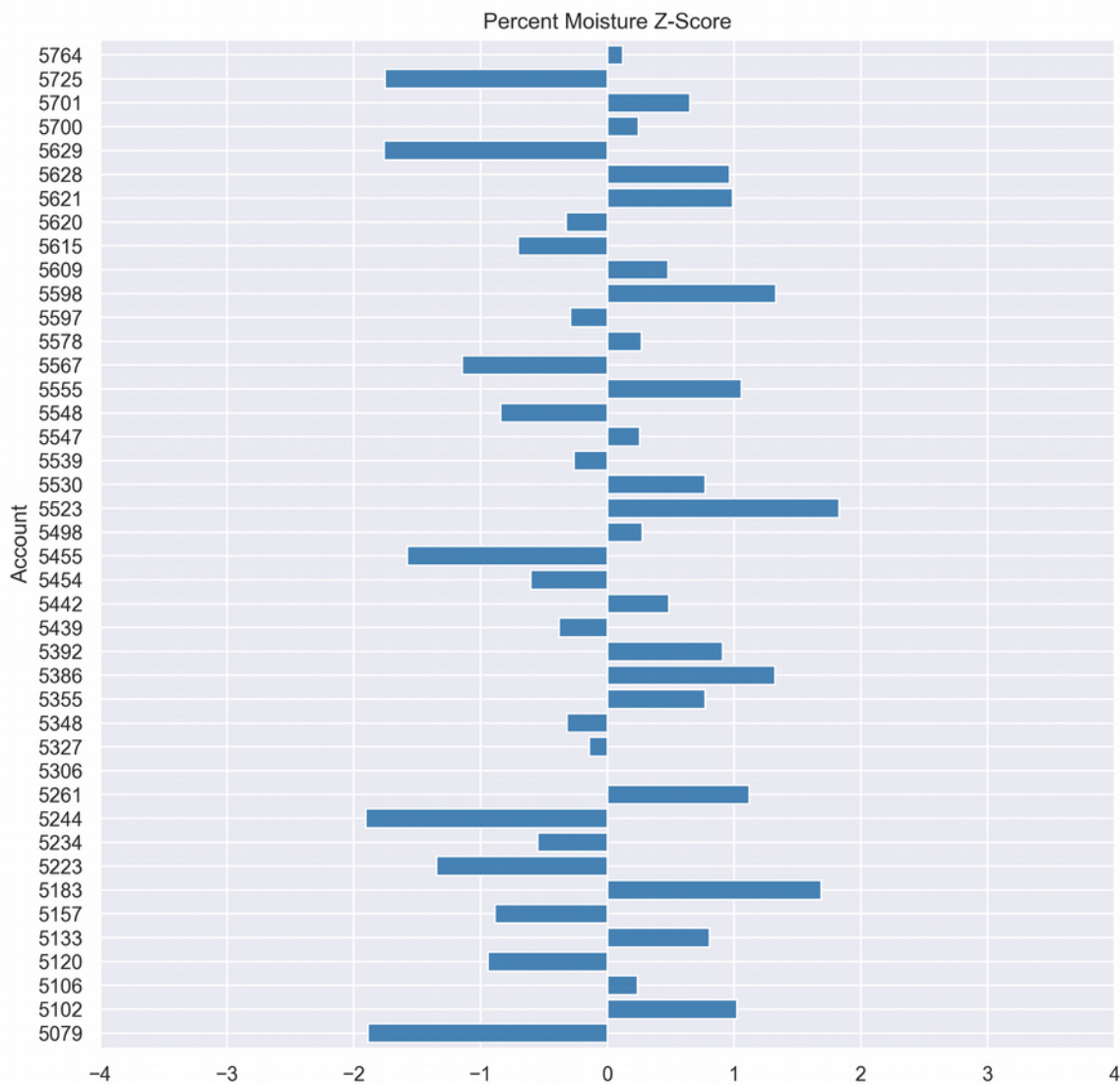
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## Z-Score Graph





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## Gaussian Normal Distribution Plots

