



# EMERALD TEST

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Fall 2020 **Vitamin** Potency Proficiency Test - 12

“(±)-alpha-Tocopherol acetate” [#38537]

8 participating laboratories

1 analytes of interest

**Matrix:** Solvent Standard: alpha-Tocopherol acetate

**Acceptance Criteria:** ±30% 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
alpha-Tocopherol acetate	495.893	43.337	8.270	524	94.636	8	100	0	0	1



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## Raw Data Table

Analyst No.	alpha-Tocopherol acetate ug/ml
3121	585.36
3132	464
3182	472
3184	474
3635	630
3636	503.5
3877	464.39
3919	508



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## Percent Recovery Data Table

Analyst	alpha-Tocopherol acetate ug/ml
3121	111.71%
3132	88.55%
3182	90.08%
3184	90.46%
3635	120.23%
3636	96.09%
3877	88.62%
3919	96.95%



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## Z-Score Data Table

Account	alpha-Tocopherol acetate
3121	2.23
3132	-0.79
3182	-0.60
3184	-0.55
3635	Outlier
3636	0.19
3877	-0.79
3919	0.30



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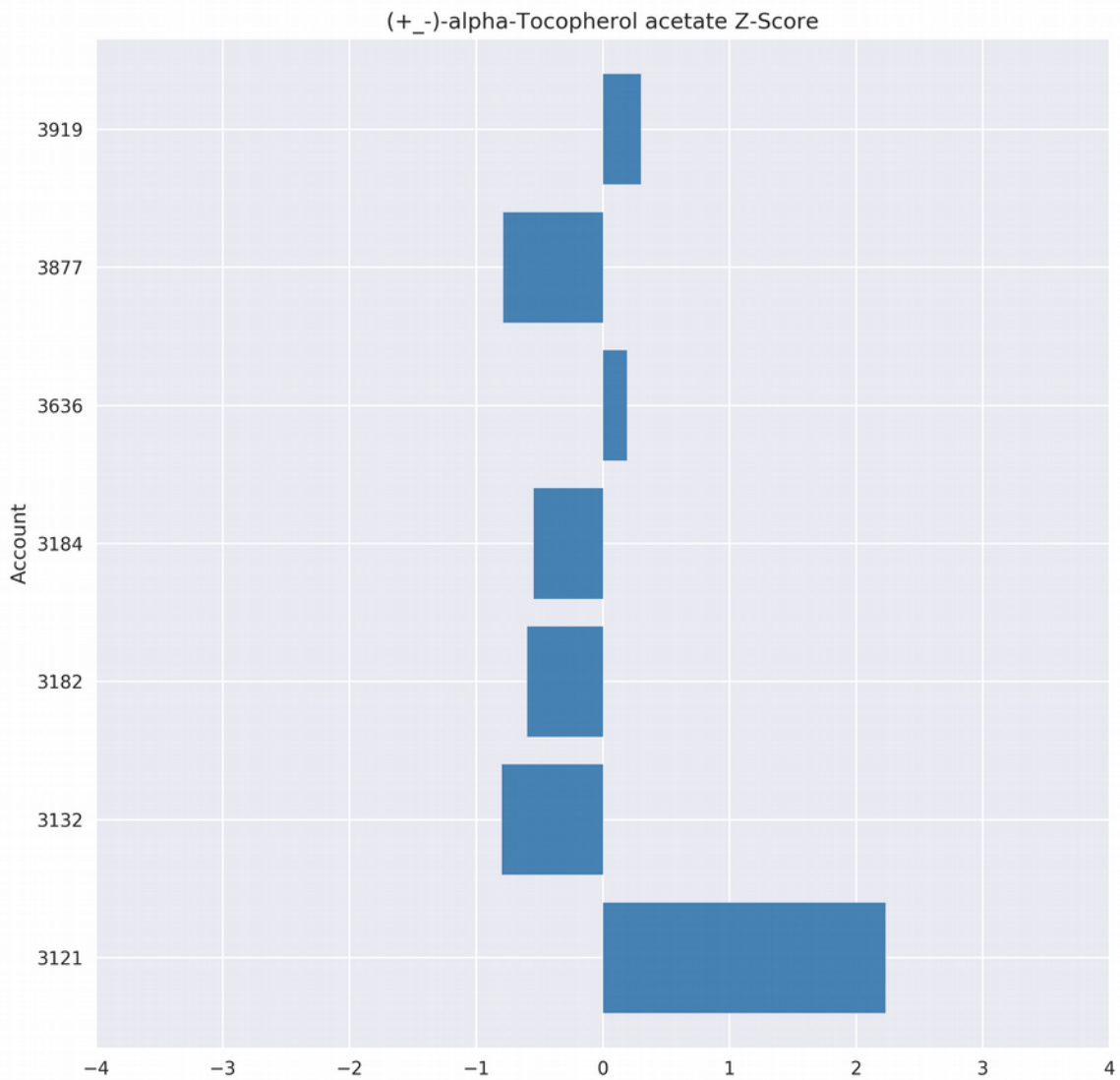
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## Z-Score Graph





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## Gaussian Normal Distribution Plots

