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INTER-LAB COMPARISON &
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Spring 2022 **Vitamin** Contaminant Test - 11

“Vitamin E (α -tocopherol) Acetate in Propylene Glycol” [#38703]

www.digammaconsulting.com

8 participating laboratories

1 analytes of interest

Matrix: Propylene Glycol

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
(+/-)-alpha-Tocopherol acetate	434.700	272.952	47.970	569	76.397	8	100	0	0	0



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Raw Data Table

Lab ID number	alpha-Tocopherol acetate ug/ml
5427	>1e-05
5428	>1.0
5439	537.6
5454	512
5491	552
5504	639.00000
5514	669
5578	567



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Percent Recovery Data Table

Analyst	alpha-Tocopherol acetate ug/ml
5427	NA
5428	NA
5439	94.48%
5454	89.98%
5491	97.01%
5504	112.30%
5514	117.57%
5578	99.65%



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Z-Score Data Table

Account	alpha-Tocopherol acetate
5427	-1.70
5428	-1.70
5439	0.40
5454	0.30
5491	0.46
5504	0.80
5514	0.92
5578	0.52



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Z-Score Graph



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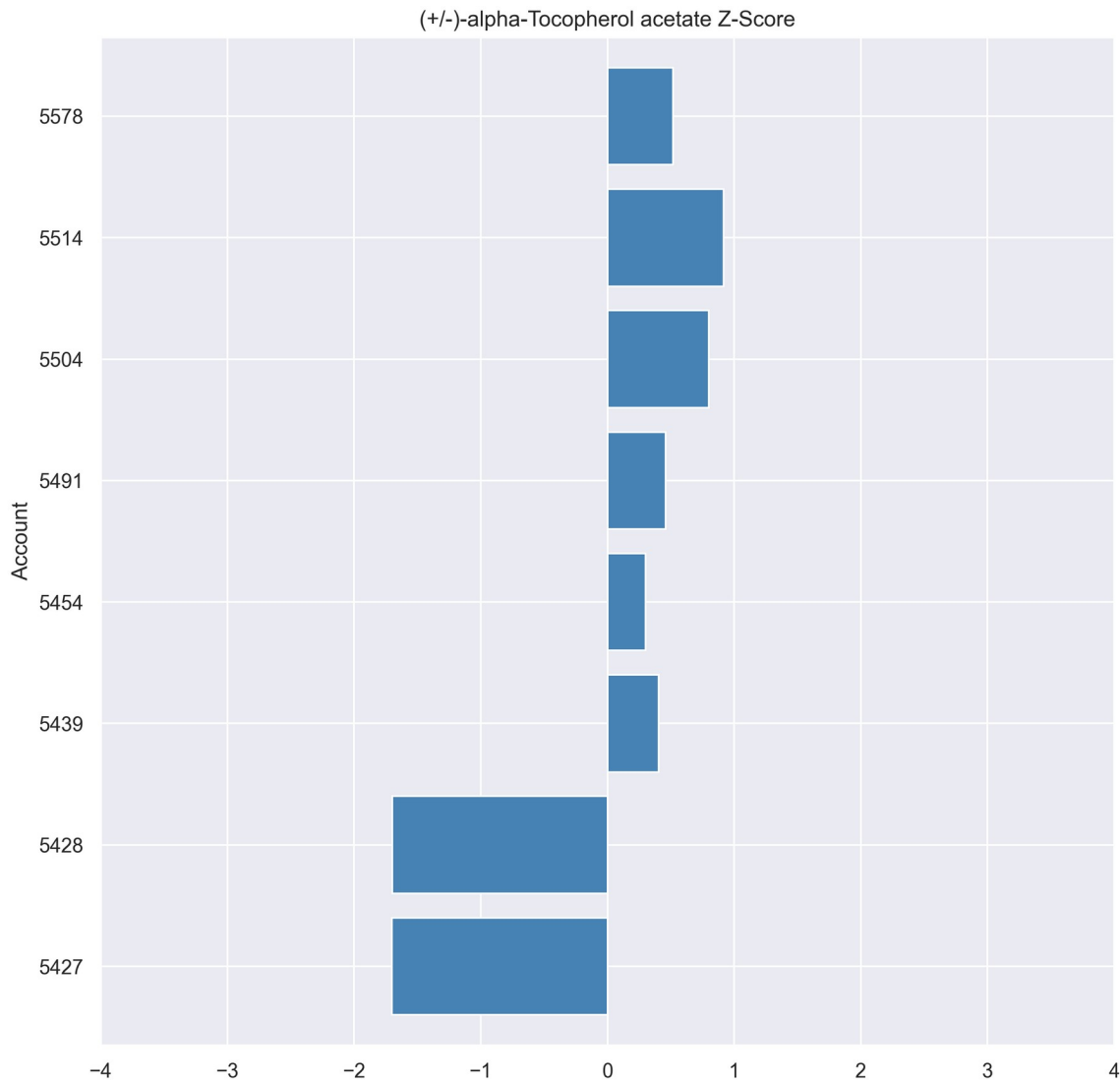
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Gaussian Normal Distribution Plots



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