

WAVELENGTH ACCURACY REPORT

ACQUISITION INFORMATION

System Name: Alliance_1	Acquired By: AllianceSQT
Processing Method: Wavelength Accuracy PM	Project Name: WPPL
Result Set Id: 3590	Sample Kit 1 Lot Number: W04040902
Sample Set Id: 2978	Sample Kit 1 Exp. Date: 7/3/2021 12:00:00 AM SGT
Sample Set Name: Wavelength Accuracy SSM	Column Serial Number: 01893724834095
Sample Set Start Date: 2/12/2019 1:47:00 PM SGT	

TEST DESCRIPTION

Wavelength accuracy is determined by identifying the 2 lambda max values of caffeine. The spectrum of caffeine is well defined with a lambda max of 205.0 nm and 273.0 nm. Empower measures deviations from these wavelengths to determine the accuracy of the detector.

The detector wavelength accuracy must be within ± 2 nm of each Caffeine lambda max to pass.

Wavelength Accuracy Results

	Specification 1	Lambda Max	Lambda Max Pass/Fail
1	203nm-207nm	205	PASS

	Specification 2	Lambda Max	Lambda Max Pass/Fail
1	271nm-275nm	272	PASS

Certification

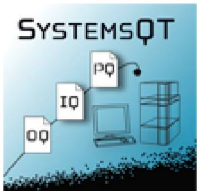
Comments

The undersigned performer attests that the values recorded and calculated above are accurate and complete.

Performer _____ Date _____
Signature

The undersigned reviewer accepts that the values recorded and calculated above are accurate and complete.

Reviewer _____ Date _____
Signature



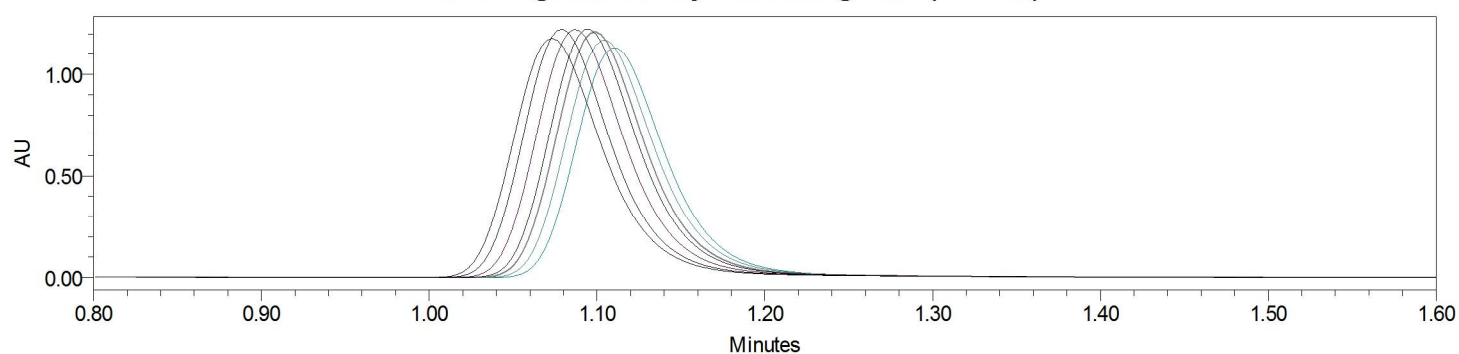
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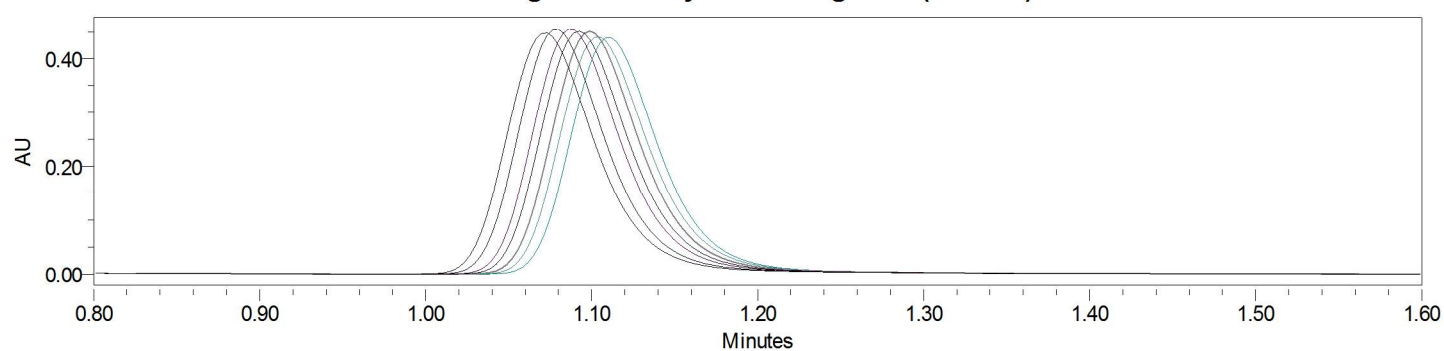
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Wavelength Accuracy Chromatograms (205 nm)

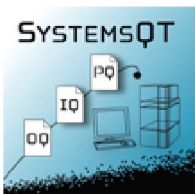


— Sample Name: WA202
— Sample Name: WA203
— Sample Name: WA204
— Sample Name: WA205
— Sample Name: WA206
— Sample Name: WA207
— Sample Name: WA208

Wavelength Accuracy Chromatograms (273 nm)



— Sample Name: WA270
— Sample Name: WA271
— Sample Name: WA272
— Sample Name: WA273
— Sample Name: WA274
— Sample Name: WA275
— Sample Name: WA276



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Chromatographic Peak Results

	SampleName	Height (μ V)	Peak Type	Result Id
1	WA205	1220454	Found	3596
2	WA203	1219668	Found	3594
3	WA204	1218651	Found	3595
4	WA206	1207372	Found	3597
5	WA202	1175099	Found	3593
6	WA207	1166673	Found	3598
7	WA208	1129159	Found	3599

Chromatographic Peak Results

	SampleName	Height (μ V)	Peak Type	Result Id
1	WA272	454690	Found	3602
2	WA271	454248	Found	3601
3	WA273	450275	Found	3603
4	WA274	450089	Found	3604
5	WA270	447367	Found	3600
6	WA275	439923	Found	3605
7	WA276	438768	Found	3606