

SYSTEM PRECISION REPORT

ACQUISITION INFORMATION

System Name: Alliance_1	Acquired By: AllianceSQT
Processing Method: System Precision PM	Project Name: WPPL
Result Set Id: 3581	Sample Kit 1 Lot Number: W04040902
Sample Set Id: 2949	Sample Kit 1 Exp. Date: 7/3/2021 12:00:00 AM SGT
Sample Set Name: System Precision SSM	Column Serial Number: 01893724834095
Sample Set Start Date: 2/12/2019 1:30:16 PM SGT	

TEST DESCRIPTION

System precision is determined by running six injections of a caffeine solution at the same concentration and injection volume. The %RSD of the area and retention time of the caffeine peak will be measured and should be minimal in a well-functioning system. The %RSD of the area gives the injection precision, and the %RSD of the retention time is the system precision.

The system precision test passes if the Area %RSD is $\leq$ 1.0 and the Height %RSD is $\leq$ 1.5 and the Retention time %RSD is $\leq$ 1.0

Area and Height Results

	System Precision Area Specification	System Precision Area % RSD	System Precision Area % RSD Pass/Fail	System Precision Height Specification	System Precision Height % RSD	System Precision Height % RSD Pass/Fail
1	Area %RSD $\leq$ 1.0	0.07	PASS	Height %RSD $\leq$ 1.5	1.24	PASS

Retention Time Results

	System Precision Retention Time Specification	System Precision Retention Time % RSD	System Precision Retention Time Pass/Fail
1	RT %RSD $\leq$ 1.0	0.06	PASS

Certification

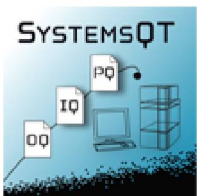
Comments

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



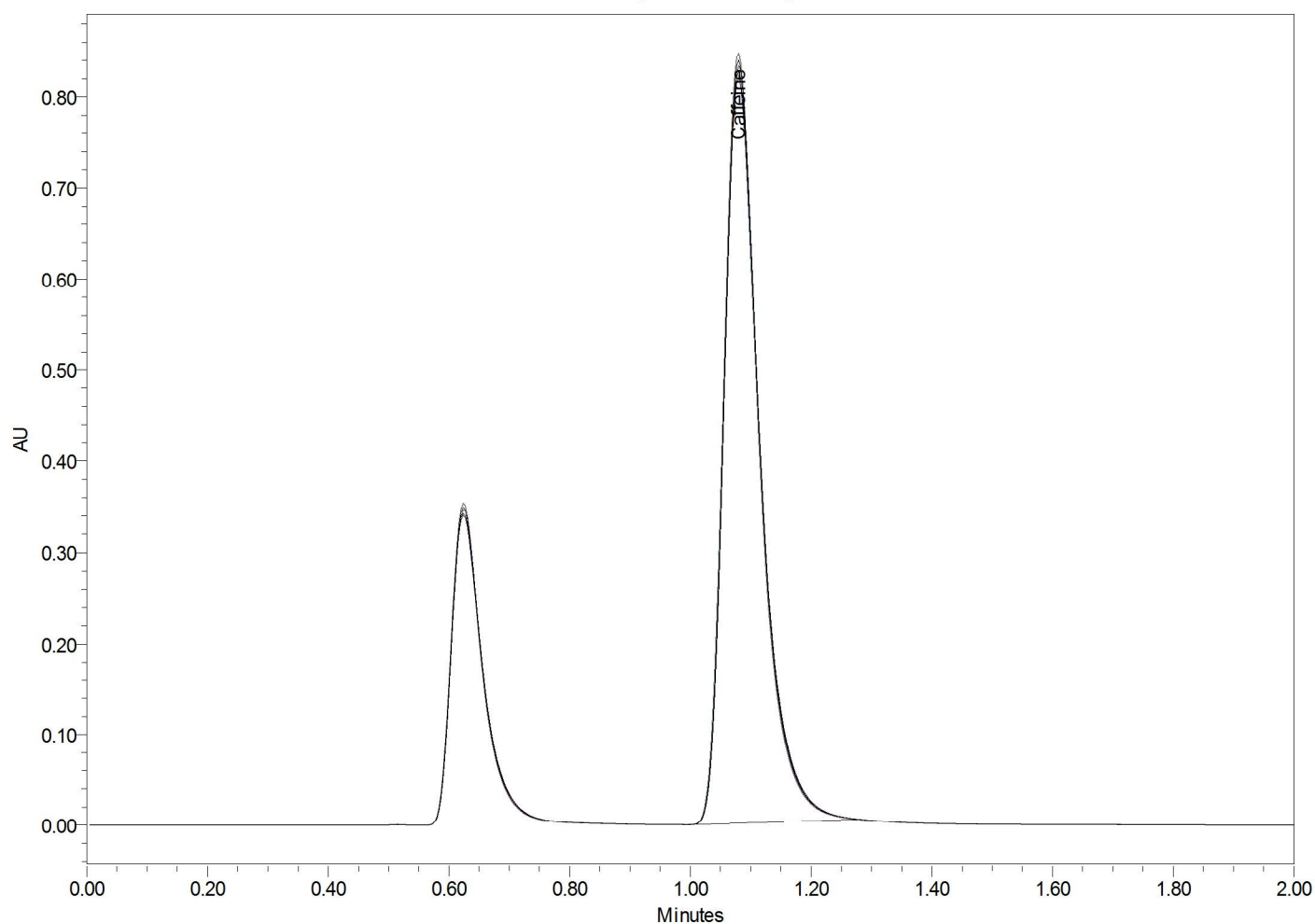
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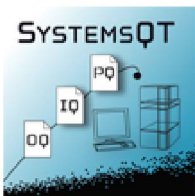
System Name: Alliance_1
Project Name: WPPL

Sample Set Id: 2949
Result Set Id: 3581

Chromatogram Overlay



— Sample Name: System Precision; Injection: 1
— Sample Name: System Precision; Injection: 2
— Sample Name: System Precision; Injection: 3
— Sample Name: System Precision; Injection: 4
— Sample Name: System Precision; Injection: 5
— Sample Name: System Precision; Injection: 6



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Chromatographic Peak Results

	Injection	Name	Retention Time (min)	Area	Height (μV)	Peak Type	Result Id
1	1	Caffeine	1.081	3450367	832398	Found	3584
2	2	Caffeine	1.080	3453364	837742	Found	3585
3	3	Caffeine	1.080	3455842	818412	Found	3586
4	4	Caffeine	1.080	3456315	826113	Found	3587
5	5	Caffeine	1.079	3452986	846114	Found	3588
6	6	Caffeine	1.079	3456210	822261	Found	3589

System Precision Summary Results

	Retention Time % RSD	Area % RSD	Height % RSD
1	0.06	0.07	1.24