



5500 Series FTIR OQ

Operational Qualification

System Information

PC/Workstation ID: GCMS_SYSTEM

Software Version: MicroLab PC: 5.2.1612.0

Firmware: 1.96.00.0

SerialNumber: MY15372014

Reporting Information

Generated By: admin

Generated Date: 13.01.2025 16:43

Generated GMT Date: 13.01.2025 15:43

UserName: admin

Engine Optics: ZnSe

Sampling Module: TumbIIR

Qual Date/Time 13.01.2025 16:43

Filename of Report: C:\Program Files (x86)\Agilent\MicroLab PC\IQOQ\2025-01-13T04-43-21.pdf

Filename of Data: C:\Program Files (x86)\Agilent\MicroLab PC\IQOQ\2025-01-13T16-43-21.a2k

Accessories

Accessory: TumbIIR (Primary)

SerialNumber: 0

Gain: 200

Energy Level: 19320



Signal To Noise Test

Number of Tests: 15
Specification @ 1142-1042: >12000
Measured Value: **22799**



Stability Test

Number of Minutes: 30
Specification: <1%
Measured Deviation: **0.008%**



Wavenumber Accuracy Test (Polystyrene ASTM 1921b)

Number of Runs: 5



Spec. Wavenumber:	3082.10	1601.35	1583.35	1028.50
Measured:	3081.43	1600.88	1583.24	1028.04
Spec. Accuracy:	<1.00	<1.00	<1.00	<1.00
Measured Accuracy:	0.67	0.47	0.11	0.46

MicroLab

User: admin

Method: Default

Status: Ready

Current Instrument Type: 5500 Series FTIR

Current Sampling Technology: Tumbler

Instrument Status

Energy: 19328

Battery: On AC power

Source: 1.796 / 2.698

Laser: 5704

Temperatures (°C)

Detector: 40.006

CPU: 33.375

IR board: 39.091

Power: 33

Version Information

Version: 5.2.1612.0

DLL Version: 5.2.76.0

Firmware Version: 1.96.00.0

Instrument Serial Number:

MY15372014

Resetting the Clean validity will cause the next clean run to be stored as the new 'Good' Clean run.

For methods that do not require a new background on every sample, the 'Reset Background Validity' button will force a new background to be collected before the next sample collection occurs.

Date Time format configuration (for generation of DateTime in files' names) :

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MicroLab OQ

Diagnostics Verification of Operational System

User: admin

Method: test

Status: **Ready**

Current Instrument Type: 5500 Series FTIR

Current Sampling Technology: Tumbler

Instrument Status

Energy: **PASS**

Battery: **On AC power**

Source: **PASS**

Laser: **PASS**

Current Gain:

Temperatures (°C)

Detector: **PASS**

CPU: **PASS**

IR board: **PASS**

Power: **PASS**

Version Information

Version:

DLL Version:

Firmware Version:

Instrument Serial Number:

Operation Diagnostic Qualification: **PASS**

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MicroLab

User: admin

 Status: **Ready**

Method: PerformanceTest

System Check Results:

Name	Value	Mean	Std Dev	Co-Var	Min	Max
SNR (1142-1042 cm-1)		20251.7799	2780.1383	13.73		
SNR (2600-2500 cm-1)		17204.6213	2210.1104	12.85		

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MicroLab

User: admin

Method: StabilityTest

Status: **Ready**

System Check Results:

Name	Value	Mean	Std Dev	Co-Var	Min	Max
Stability Point 1					100.0002	100.0388
Stability Point 2					100.0105	100.1149

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MicroLab

User: admin

Status: **Ready**

Method: LaserFreqCalTest_Transmission

System Check Results:

Name	Value	Mean	Diff	Std Dev
Peak1	1028.5000	1028.1730	0.3270	0.0034
Peak2	1583.3500	1582.7588	0.5912	0.0025
Peak3	1601.3500	1601.1588	0.1912	0.0023
Peak4	3082.1000	3081.1704	0.9296	0.0125

Current Laser Temp. Intercept:

Calculated Laser Temp. Intercept:

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Sample ID:IPA
Sample Scans:8
Background Scans:8
Resolution:4
System Status:Good

Method Name:test
User:admin
Date/Time:01.13.2025 3:26:58
Range:4000 - 650
Apodization:Happ-Genzel

File Location:C:\Program Files (x86)\Agilent\MicroLab PC\Results\IPA_2025-01-13T15-26-58.a2r

