Sample: Mo-C MK020-021 - 07-28-2025
Operator:
Submitter:
File: C:\Users\b220a\OneDrive\Documents\Micromeretics Au...\000-190 Mo-C MK020-021 - 07-28-2025 H2-TPR.SMP

Started: 7/28/2025 4:39:07 PM
Completed: 7/28/2025 7:53:46 PM
Instrument: 2930
Sample mass: 0.1065 g
Report time: 7/29/2025 12:24:04 PM

Summary Report

Experiment 1: TPR@900C with Dry@250C - 3h

Analysis type: Temperature Programmed
Calibration: (AutoChem_III_0000) H2/Ar Gas Calibration 10-30-24
Measured flow rate: 50.00 cm³ STP/min
Signal offset: 0.00000
Signal inverted: No

Peak Number	Temperature at Maximum (°C)	Quantity (cm³/g STP)	Peak Active Gas Flow Rate (cm³ STP/min)
1	50.7	6.4395e-02	4.3724e-03
2	424.0	80.11846	0.65522
3	681.1	7.11101	0.10080

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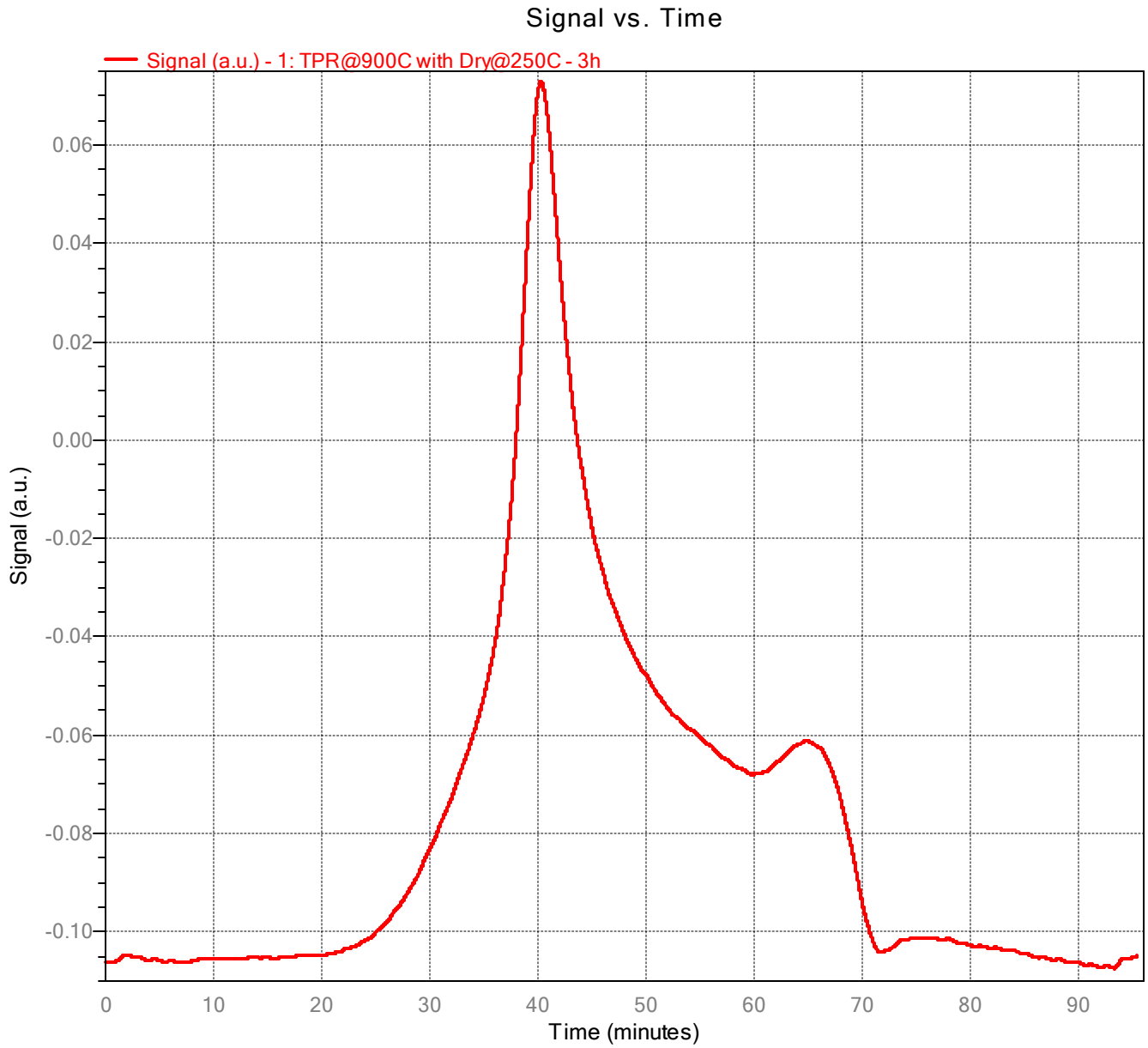

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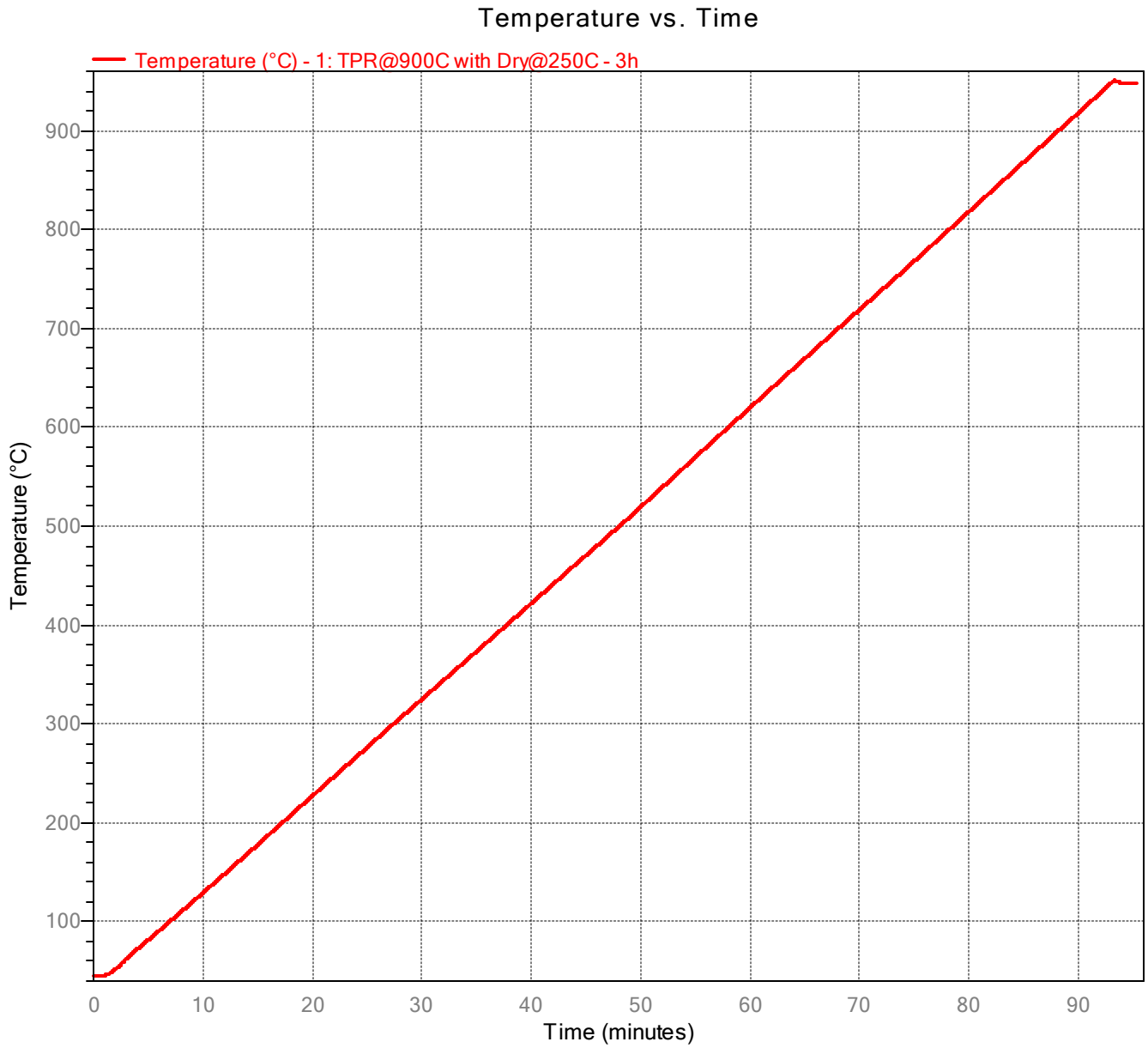

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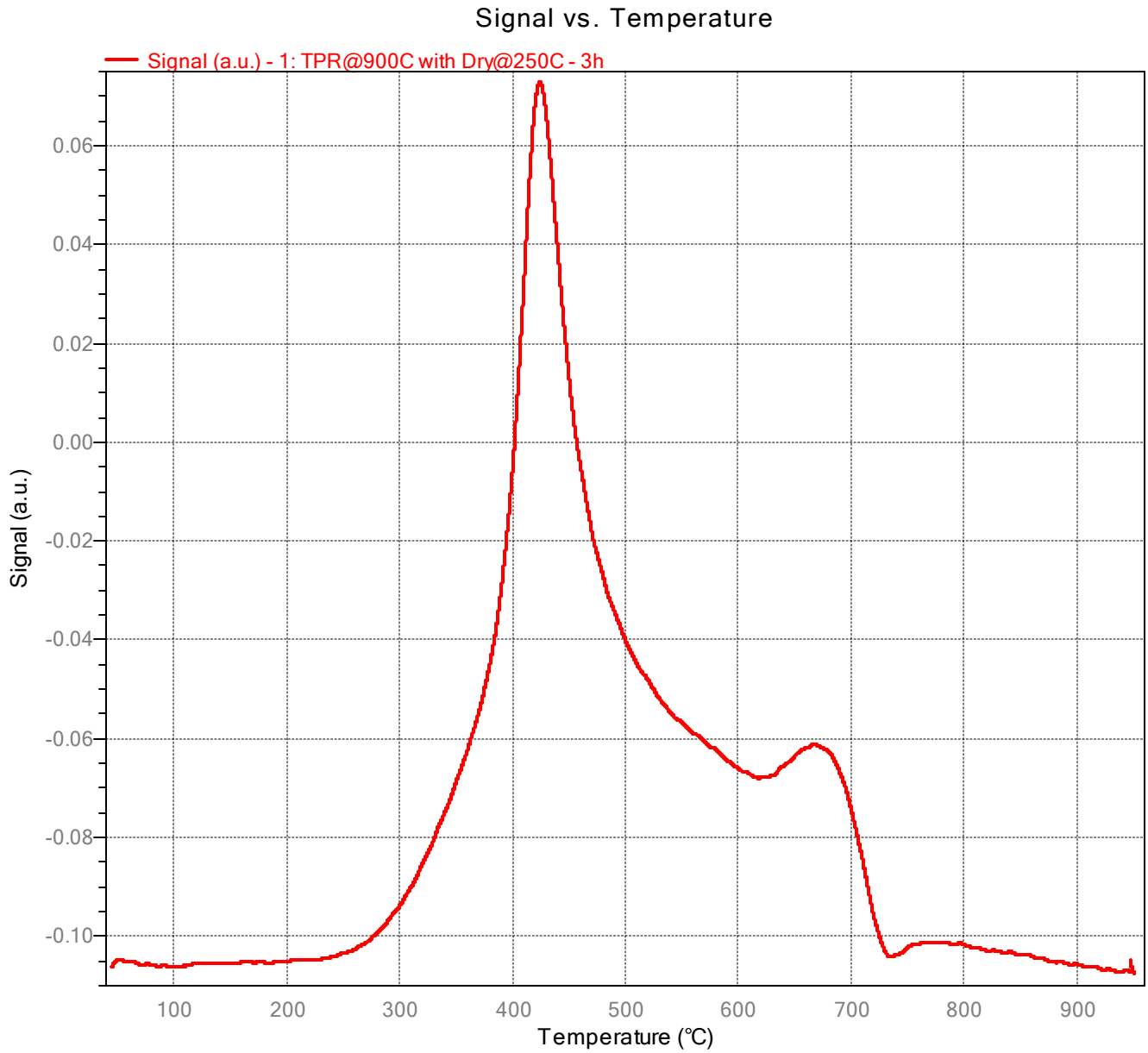

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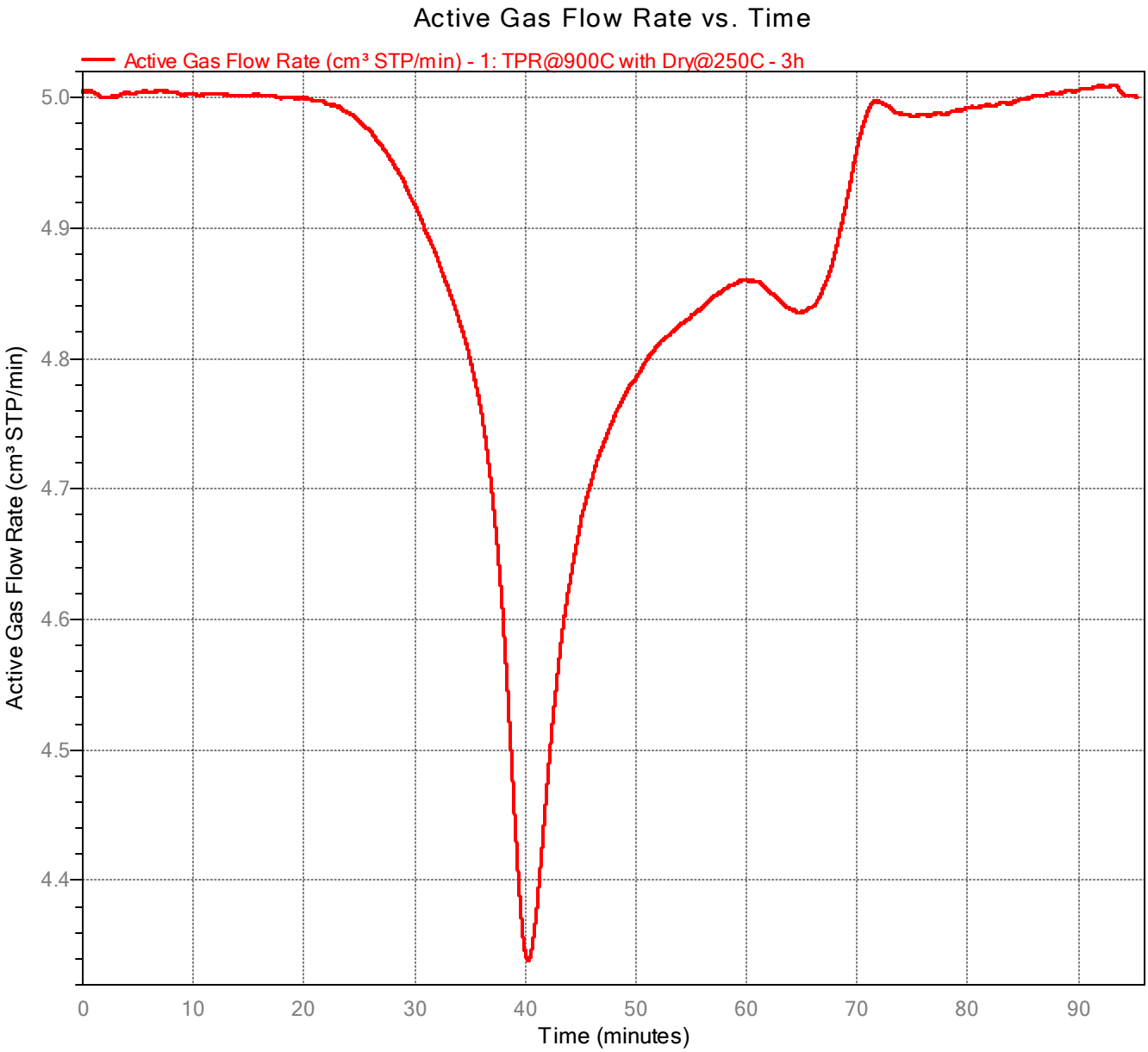

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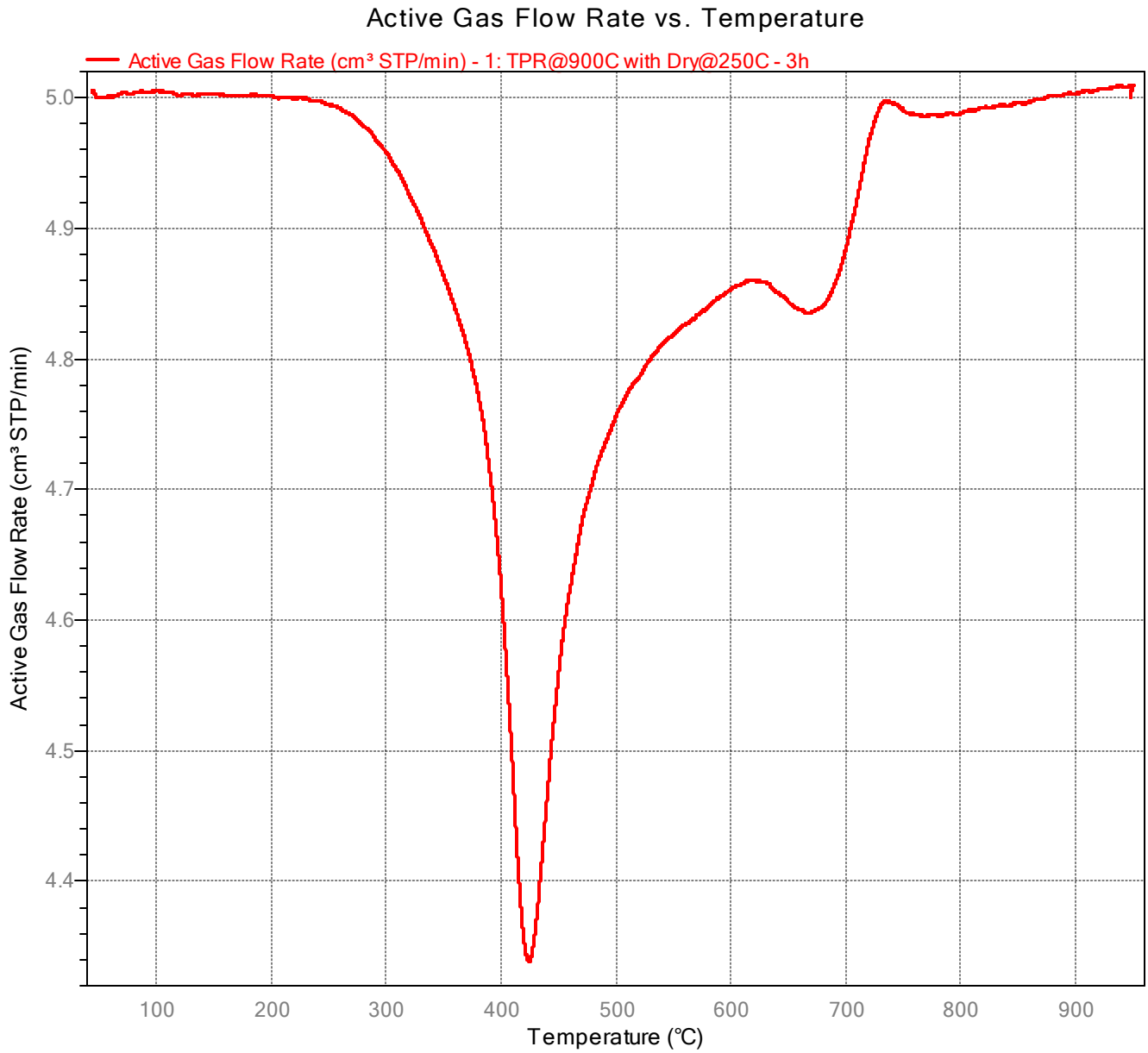

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Sample Log

Date	Time	Log Message
7/28/2025	4:39:07 PM	Starting a sample analysis for C:\U...\000-190 Mo-C MK020-021 - 07-28-2025 H2-TPR.SMP on port 1.
7/28/2025	4:39:07 PM	1.01 Experiment started. Type: Temperature Programmed
7/28/2025	4:39:07 PM	1.02 Set carrier gas: N2He Loop gas: N2He Trap valve: Bypass Analysis valve: Preparation Sample temperature: 20.0 °C Detector enabled: No
7/28/2025	4:39:16 PM	1.03 Wait for time. Time: 300 s
7/28/2025	4:44:15 PM	1.04 Ramping Sample temperature at 10.0 °C/min to 150.0 °C for 45 minutes.
7/28/2025	5:44:40 PM	1.05 Ramping Sample temperature at 10.0 °C/min to 40.0 °C for 5 minutes.
7/28/2025	6:01:08 PM	1.06 Wait for time. Time: 300 s
7/28/2025	6:06:08 PM	1.07 Set carrier gas: H2Ar Loop gas: N2He Trap valve: Trap Analysis valve: Analysis Sample temperature: 200.0 °C Detector enabled: Yes
7/28/2025	6:06:12 PM	1.08 Wait for time. Time: 300 s
7/28/2025	6:11:11 PM	1.09 Wait for baseline stable. Time: 300 s
7/28/2025	6:18:24 PM	1.10 Recording started. Carrier gas: H2Ar Flow rate: 50.00 cm³ STP/min Loop gas: Recording period: 1.00 s External trigger: No
7/28/2025	6:18:24 PM	1.11 Ramping Sample temperature at 10.0 °C/min to 950.0 °C for 2 minutes.
7/28/2025	7:53:45 PM	1.12 Recording ended.
7/28/2025	7:53:45 PM	2.01 Analysis terminated. Carrier gas: N2He Detector enabled: No Return to ambient temperature: Yes
7/28/2025	7:53:46 PM	Finished a sample analysis for C:\U...\000-190 Mo-C MK020-021 - 07-28-2025 H2-TPR.SMP on port 1.