

# Certificate of Calibration

Certificate Number

U55MY0001076

## Traceability

This equipment was temperature calibrated using an ALUMEL® and a Nickel reference material traceable to National Institute for Standards and Technology (NIST) and Laboratory of the Government Chemist (LGC) national metrology institutes.

This equipment was calibrated for Mass using Class 1 and E2 masses traceable to the National Institute for Standards and Technology (NIST) a national metrology institute.

Certified Reference Material:	ALUMEL®	Weight	1000.000 mg
TA Certified Reference Material No.	<u>3-5291</u>	Serial Number	# <u>07449</u>
Certified Curie Temperature:	<u>154.16°C</u>	Weight	100.00 mg
Certified Reference Material:	Nickel	Serial Number	# <u>07449</u>
TA Certified Reference Material No.	<u>2-181227</u>		
Certified Curie Temperature:	<u>356.94°C</u>		

## Technique

This equipment was calibrated using the guidelines in:

ASTM International Standard E1582 Standard Practice for Calibration of Temperature Scale for Thermogravimetry  
ASTM International Standard E2040 Standard Test Method for Mass Scale Calibration of Thermogravimetric Analyzers  
ASTM International Standard E617 Class 1 Tolerance (100 mg Mass)  
OIML R111 Class E2 Tolerance (1 g Mass)

## Equipment Calibrated

Instrument Type: Q50 TGA

Serial Number: 50-1487

## Company Information

Company: Polytherm Testing Labs

Address: 1030 Crooks Rd STE. H

Clawson, MI 48017

Date Calibrated 9-7-2022 Agreed Expiration Date 9-7-2024

Service Representative Jared McNally

PRINT

SIGN

Date 9-7-2022

