

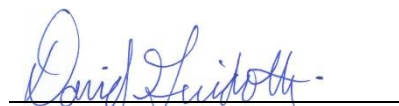
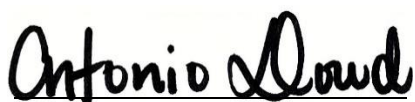
Element Materials Technology Newark Test Report – EAR Controlled Data for Environmental Testing of the Thermal Boxes

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TR-58003715.01-ENV Rev 0

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Revision History

Rev.	Description	Issue Date
0	Summary Report	06/15/2026

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1.0 Introduction

This document presents the test procedures used and the results obtained during the performance of an Environmental test program. The test program was conducted to assess the ability of the specified Equipment Under Test (EUT) to successfully satisfy the requirements listed in Section 2.0.

2.0 References

The following references listed below form a part of this document to the extent specified herein.

- Test Specification: Client spec, steady state conditions at 5°C (2°C~8°C)
- Zeus Thermal, Inc. Purchase Order(s) 1006, dated 05/26/2026
- Element Materials Technology Newark Quote(s) , dated
- ISO/IEC 17025:2017(E) *General Requirements for the Competence of Testing and Calibration Laboratories*, dated 11/1/2017

3.0 Product Selection and Description

Zeus Thermal, Inc. selected and provided the test sample(s) to be used as the Equipment Under Test.

Table 3.0-1: Product Identification - Equipment Under Test (EUT)

Item	Qty.	Name/Description	Part Number	Serial Number
Insulated Boxes	4	Maxithermal Boxes	3L, 5L, 10L	-

3.1 Security Classification

EAR99

4.0 General Test Requirements**4.1 Test Equipment**

The instrumentation used in the performance of these tests is periodically calibrated and standardized within manufacturer's rated accuracies and are traceable to the National Institute of Standards and Technology. The calibration procedures and practices are in accordance with ISO 17025:2017. Certification of calibration is on file subject to inspection by authorized personnel.

5.0 Test Descriptions and Results**Table 5.0-1: Summary of Test Information & Results**

Section	Test	Specification	Test Facility	Test Date	Part #	Serial #	Test Result
5.1	Temperature Testing	Client spec, steady state conditions at 5°C (2°C~8°C)	Newark	06/02/2026 - 06/08/2026	-	-	Test complete. EUTs returned to customer

5.1 Temperature Testing

5.1.1 Test Procedure

The EUT was tested to Client spec, steady state conditions at 5°C (2°C~8°C).

5.1.2 Test Result

Test Result: Test complete. EUTs returned to customer.

5.1.3 Test Datasheets

5.1.3.1 Worksheets

DATA LOG SHEET

CUSTOMER:	Zeus Thermal, Inc.		MJO/JO:	PUS58003715	
TEST ITEM:	Thermal Boxes		DATE:	6/3/2026	
MODEL:	3L, 5L, 10L		UNIT NO:	1~4	
SPECIFICATION:	Client Spec		CHAMBER NO:	C8	
			TECH/ENGR:	Antonio Dowd	
DESCRIPTION OF TEST					
DATE:	TIME:	LOG ENTRY:	OP:	TECH:	
6/3/2026	8:21	EUT samples are in full functional condition, place units in chamber	No	Yes	AD
	8:58	Power on 3L, 5L and 10L box fans and additional electronic cooler			
	9:01	Ramp chamber environment to 5°C (Between 2°C - 8°C)			
	9:22	Test conditions met, soak environment for 5 days (120hrs)			
6/4/2026	10:00	Soak in process, continue with testing			
6/6/2026	10:00	Soak in process, continue with testing			
6/8/2026	9:30	Soak completed return chamber to ambient conditions			
	12:00	Test completed, remove EUT(s) from chamber	No		
TECHNICIAN / ENGINEER:		Antonio Dowd		DATE:	6/9/2026
Pictures:		Yes			

5.1.4 Test Photographs

5.1.4.1 Photographs

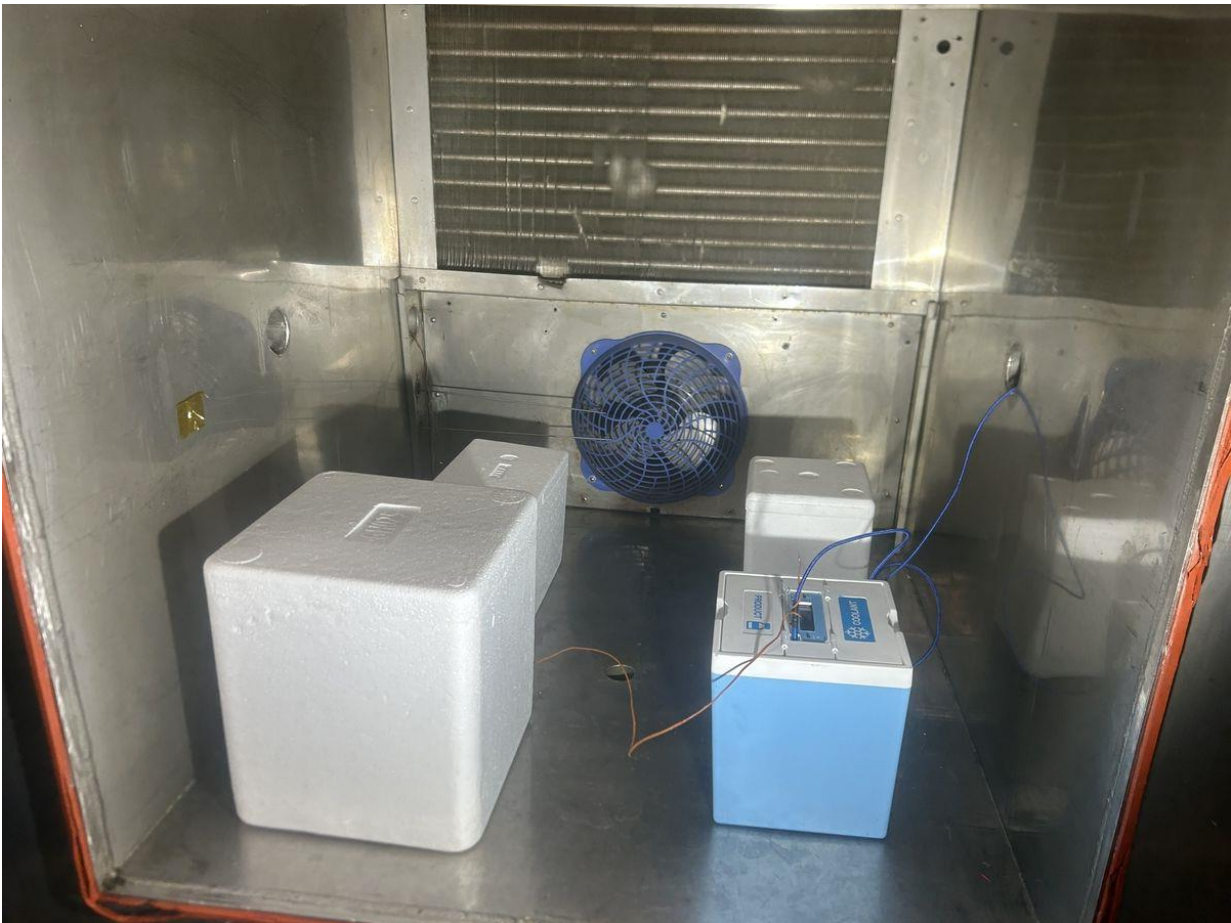


Figure 1: Test Setup

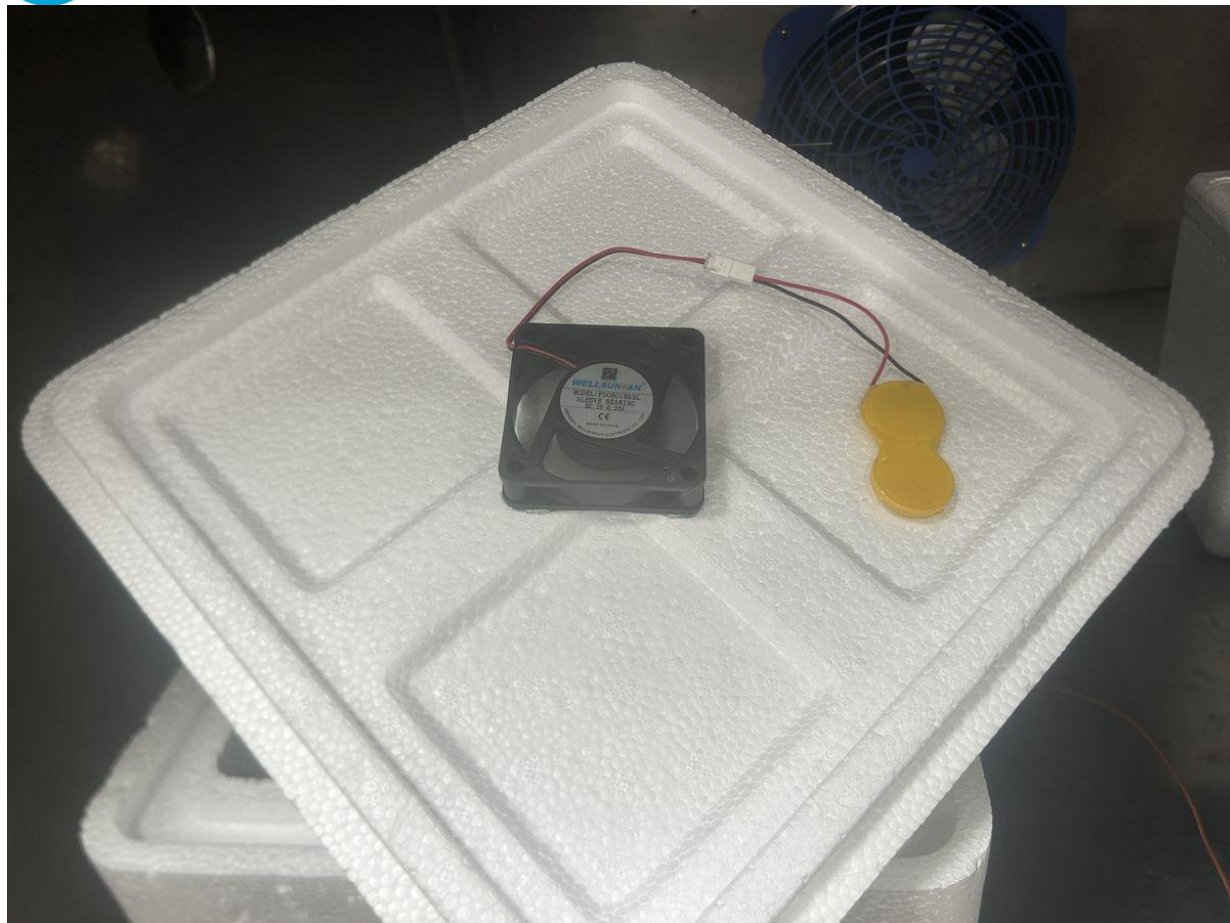


Figure 2: Test Setup: Sample Powered On

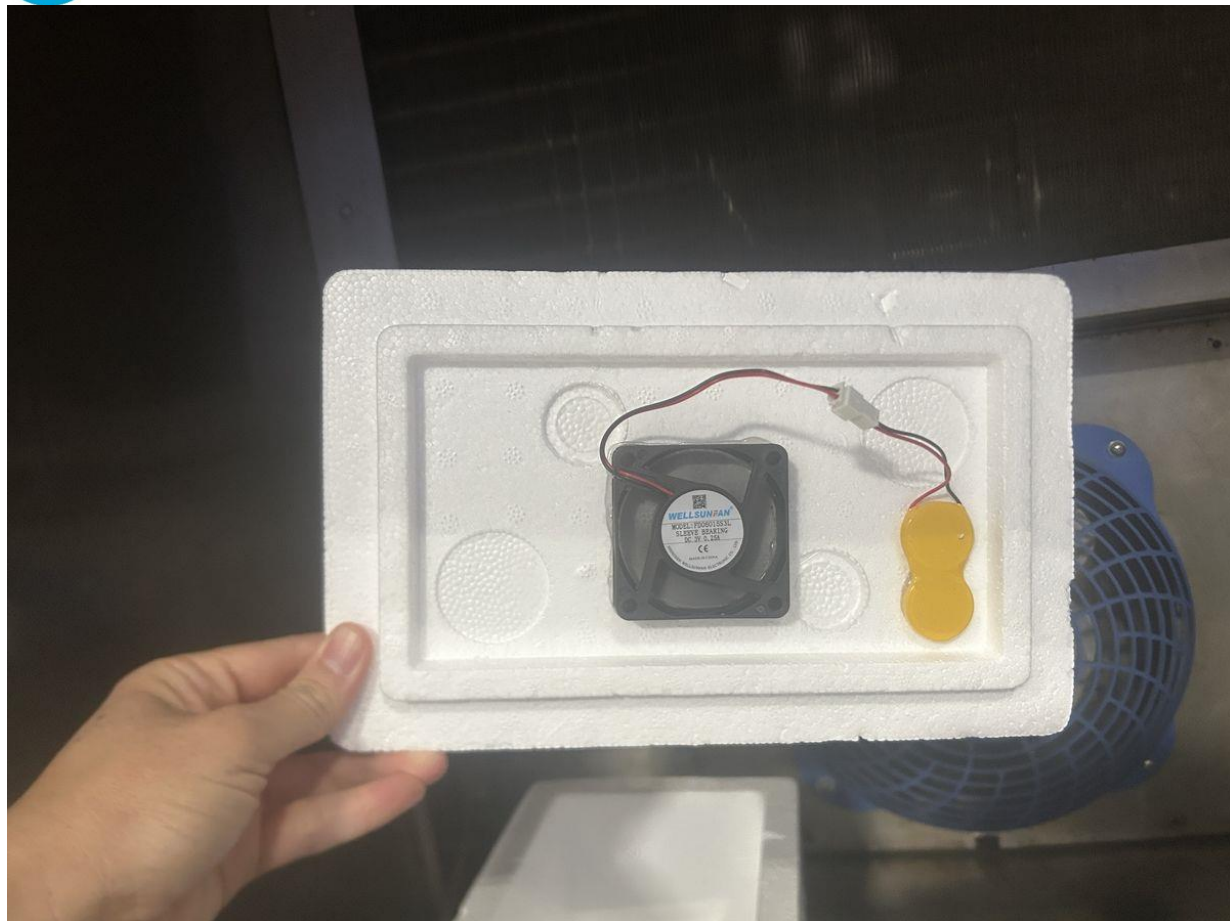


Figure 3: Test Setup: Sample Powered On



Figure 4: Test Setup: Sample Powered On



Figure 5: Test Setup: Sample Powered On

5.1.5 Test Data**5.1.5.1 Data**

Tested at: Element Materials Technologies, Silicon Valley

Tested for: Zeus Thermal Inc., 5°C Thermal Conditioning, Thermal Boxes (4x)

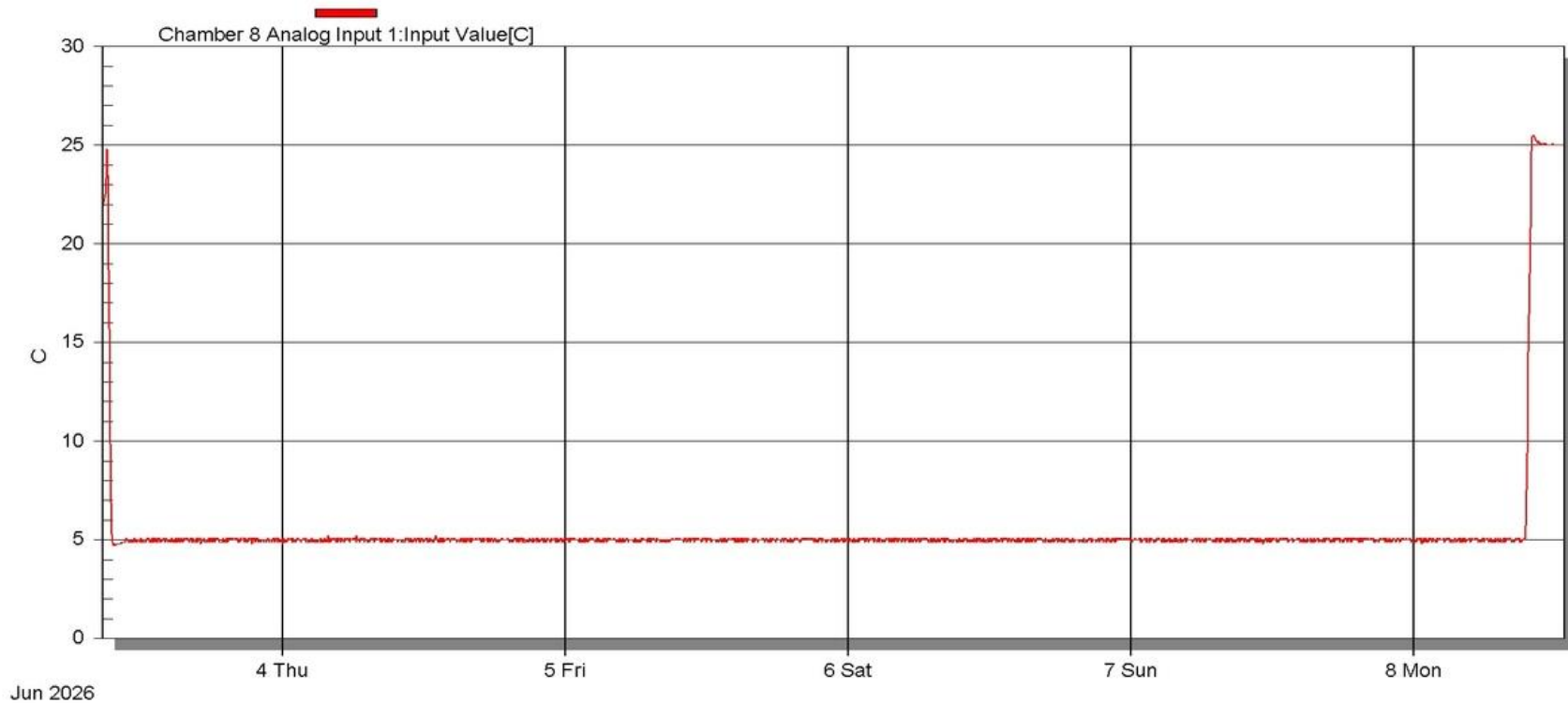


Figure 6: Thermal Test Plot

5.1.6 Test Equipment List**Table 5.1-1: Temperature Testing Test Equipment List**

WC#	Manufacturer	Description	Model No.	Cal Date	Cal Due
WC054172	American Research	Temperature/ALT Chamber	8LT27-1000350H	NCR	NCR
WC062472	Omega	Hi/Low Limit	Watlow 97	NCR	NCR
WC064703	Watlow	Controller Chamber 8	F4	01/05/26	01/05/27

Calibration Abbreviations

CAL: Calibration

NCR: No Calibration Required

End of Test Report