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**REPORT TO:** Texas Foam  
1278 Highway 71 W  
Bastrop, TX 78602

**ATTENTION:** Tom Forrest

**PROJECT:** Temperature Profile Validation

**PROJECT NO.:** T20710-435

**LAB NO.:** HQE2

**DATE:** October 26, 2010

**IDENTIFIER:** Custom Profile TR7

Temperature performance evaluation completed on one type of packaging in accordance with standard laboratory practices and referenced test methods. The results of the test are presented in the accompanying report. The results contained in this report are related only to the items tested.

Please contact HighQ should you have any questions concerning this report.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Barry E. Johnston". The signature is fluid and cursive, with the first letters of the first and last names being significantly larger and more prominent.

Barry E. Johnston  
HighQ Testing LLC

## SCOPE OF SERVICES

### General

On October 1, 2010, the following package was submitted to HighQ Testing LLC for temperature profile validation.

### Description of packages

#### Cooler TR7:

Description:	Expanded Polystyrene (EPS) cooler in corrugated box		
Dimensions:	Internal:	6¼" x 8¼" x 7" height	
	External:	9¼" x 11¼" x 10" height	
	Wall thickness:	1½"	
Lining:	Thermalshield Foil Bubble Bag (tested with and without)		
Refrigerant:	14 oz. Gel Brick		
Tare:	1.2 lbs		
Full:	6.0 lbs		

**Test Procedure:** Packaging was stored and prepared in an ambient environment at approximately 20°C. The product was preconditioned in a refrigerator at approximately 4.5°C. A temperature logging device was placed inside a bag which contained five (5) 10 ml. tubes and absorbent. The foil bag was folded closed in one configuration, the cooler lid was securely fitted and the box was taped shut. The cooler was placed into the environmental chamber where the temperature was recorded every 10 minutes for the duration of the test.

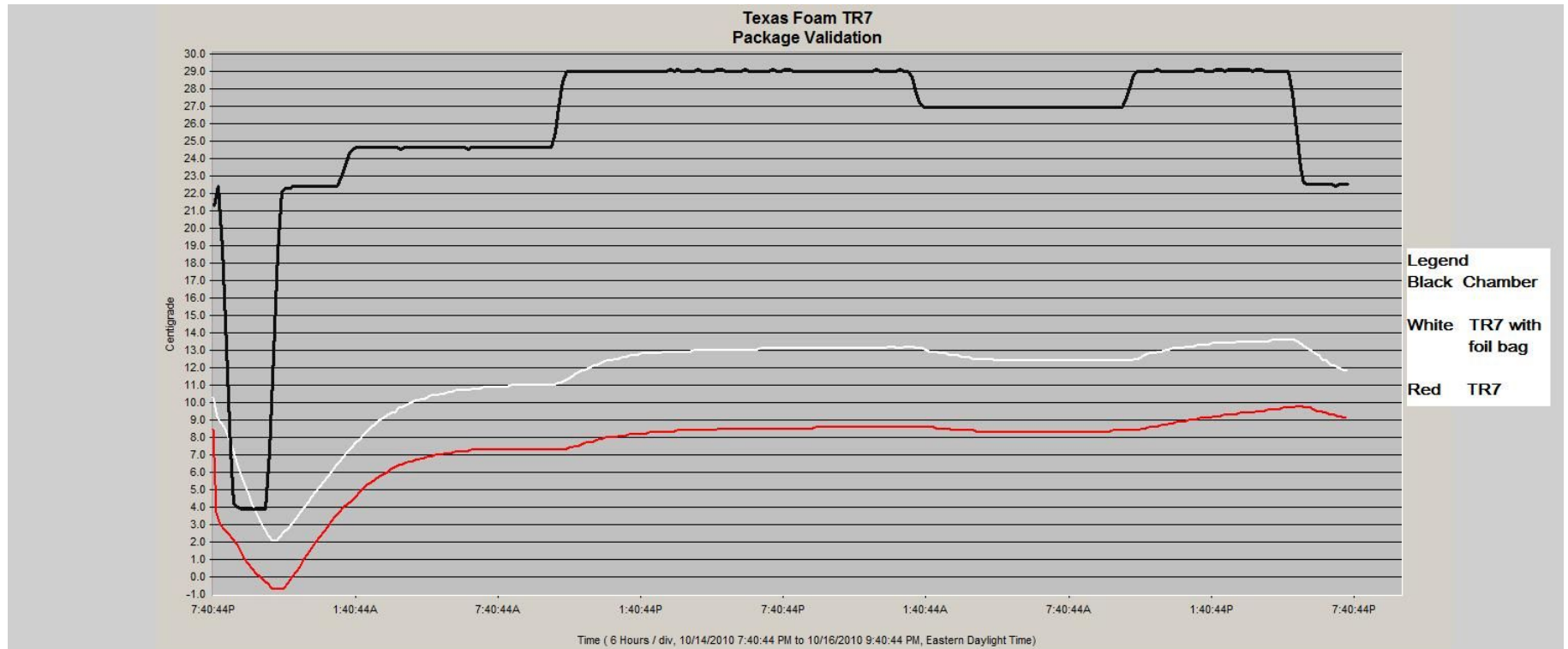
Temperature Recorders: Marathon micro dl  
Calibration date: 11-20-09

The package was subjected to the following temperature profile:

### Texas Foam Custom Profile



### TEST RESULTS



### PACKING INSTRUCTIONS

- 1.0 Place product to be shipped inside bottom of cooler.
- 2.0 Place  $\frac{3}{4}$ " x 5" x 7" EPS piece on top of product.
- 3.0 Load in four (4) 14 oz. frozen gel bricks on top of EPS.
- 4.0 Close foil bag (if used).
- 5.0 Secure lid on cooler.
- 6.0 Tape box closed.

### PHOTOGRAPHS

