

DRAFT

ISO 1716 GROSS CALORIFIC VALUE  
TESTING FOR  
TEMP-COAT BRAND PRODUCTS L.L.C.  
ON  
TEMP-COAT 101  
VTEC #100-4890-2  
TESTED: APRIL 2, 2105



DRAFT

# VTEC Laboratories Inc.

April 3, 2015

Client: TEMP-Coat Brand Products L.L.C.  
17351 Hard Hat Row, Unit B 18  
Covington, LA 70435

Attention: Mr. Morris Meyer

**Subject:**

This test was conducted in accordance with ISO 1716 - Gross Calorific Value Using an Oxygen Bomb Calorimeter.

**RESULTS:**

The results are contained on the following page.

**Disclaimer:** This is a factual report of the results obtained from the laboratory test of sample products. The results may be applied only to the products tested and should not be construed as applicable to other similar products of the manufacturer. The report is not a recommendation or disapprobation by VTEC Laboratories, Inc. of the material tested. While this report may be used for obtaining product acceptance, it may not be used in advertising.

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# DRAFT

## OXYGEN BOMB CALORIMETER ISO 1716

**Company:** TEMP-Coat Brand Products  
**Specimen:** TEMP-COAT 101  
**Color:** White

**Date:** 2-Apr-15  
**Job #:** 100-4890-2  
**Thickness:** N/A

### CALCULATIONS (SAMPLE #1)

Mass of Specimen (g):	1.0035	Length of Ignition Wire (cm):	10
Weight of Combustion Cup (g)	12.4195	Length of Ignition Wire After Test (mm):	10.14
Weight of Benzoic Acid and Cup (g):	13.2838	Initial Temp. Reading (Deg C):	23.700
Benzoic Acid Weight (g):	0.8643	Final Temp. Reading (Deg C):	27.506
Weight of Water in Bucket (g):	2,000.0	Calorific Value of Benzoic Acid (J/g):	26,454
Gross Calorific Value (Qv): 19,395.0 J/g			

### CALCULATIONS (SAMPLE #2)

Mass of Specimen (g):	1.0089	Length of Ignition Wire (cm):	10
Weight of Combustion Cup (g)	12.4165	Length of Ignition Wire After Test (mm):	2.4
Weight of Benzoic Acid and Cup (g):	13.3052	Initial Temp. Reading (Deg C):	25.767
Benzoic Acid Weight (g):	0.8887	Final Temp. Reading (Deg C):	29.878
Weight of Water in Bucket (g):	2,000.0	Calorific Value of Benzoic Acid (J/g):	26,454
Gross Calorific Value (Qv): 18,642.7 J/g			

### CALCULATIONS (SAMPLE #3)

Mass of Specimen (g):	1.0025	Length of Ignition Wire (cm):	10
Weight of Combustion Cup (g)	12.3729	Length of Ignition Wire After Test (mm):	5.6
Weight of Benzoic Acid and Cup (g):	13.2460	Initial Temp. Reading (Deg C):	24.933
Benzoic Acid Weight (g):	0.8731	Final Temp. Reading (Deg C):	28.867
Weight of Water in Bucket (g):	2,000.0	Calorific Value of Benzoic Acid (J/g):	26,454
Gross Calorific Value (Qv): 17,346.8 J/g			

**AVERAGE GROSS CALORIFIC VALUE: 18,461.5 J/g**

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Neil Schultz  
Executive Director

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Amirudin Rahim  
Technical Director

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