Cincinnati Sub-Zero
Testing Services

ACCREDITED

Testing Certification # **503.01**

Test Report

MTO2012-125

THE COLT GROUP

3430 SUMMER BROOKE DRIVE

RICHMOND,VA 23235

Prepared for: **JIM HACKETT**
Report Date **5/24/2012**

Approved By: William Jackson

William Jackson
Title **Operations/Laboratory Manager**

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Testing Services

ENVIRONMENTAL EXPOSURE CERTIFICATE

Report Date	**5/24/2012**	**MTO #**	**MTO2012-125**
Customer	**THE COLT GROUP**	**Quote #**	**Q2012-239**
Test Sample	**SEALANT**	**PO #**	**20120407**
Part Number(s)	**N/A**		
Serial Number(s)	**CSZ001, CSZ002, CSZ003**		
Test Start Date	**5/17/2012**		
Test Completion Date	**5/18/2012**		
Performed By	CHERILYN SANDMAN		

Equipment Used	Description	Serial #	Calibration Date	Calibration Due Date
ESSC 104	CTH-64	S/N: CT13591	11/14/2011	11/14/2012

Test samples were subjected to the following conditions

In accordance with customer requirements

1. The two-part sealant was mixed and along with the cured sample, simultaneously were exposed temperature of -40F for a total of 24 hours.
2. The two materials were compared at the completion of these and the differences were noted.

OBSERVATIONS AND ANOMALIES

Date	Time	Initials	Description
5/17/2012	12:30 PM	CS	Test began
5/18/2012	12:30 PM	CS	Test completed. Anomalies documented.

Test results apply only to those parts and serial numbers listed above
Estimation of Uncertainty Measurements available upon request.

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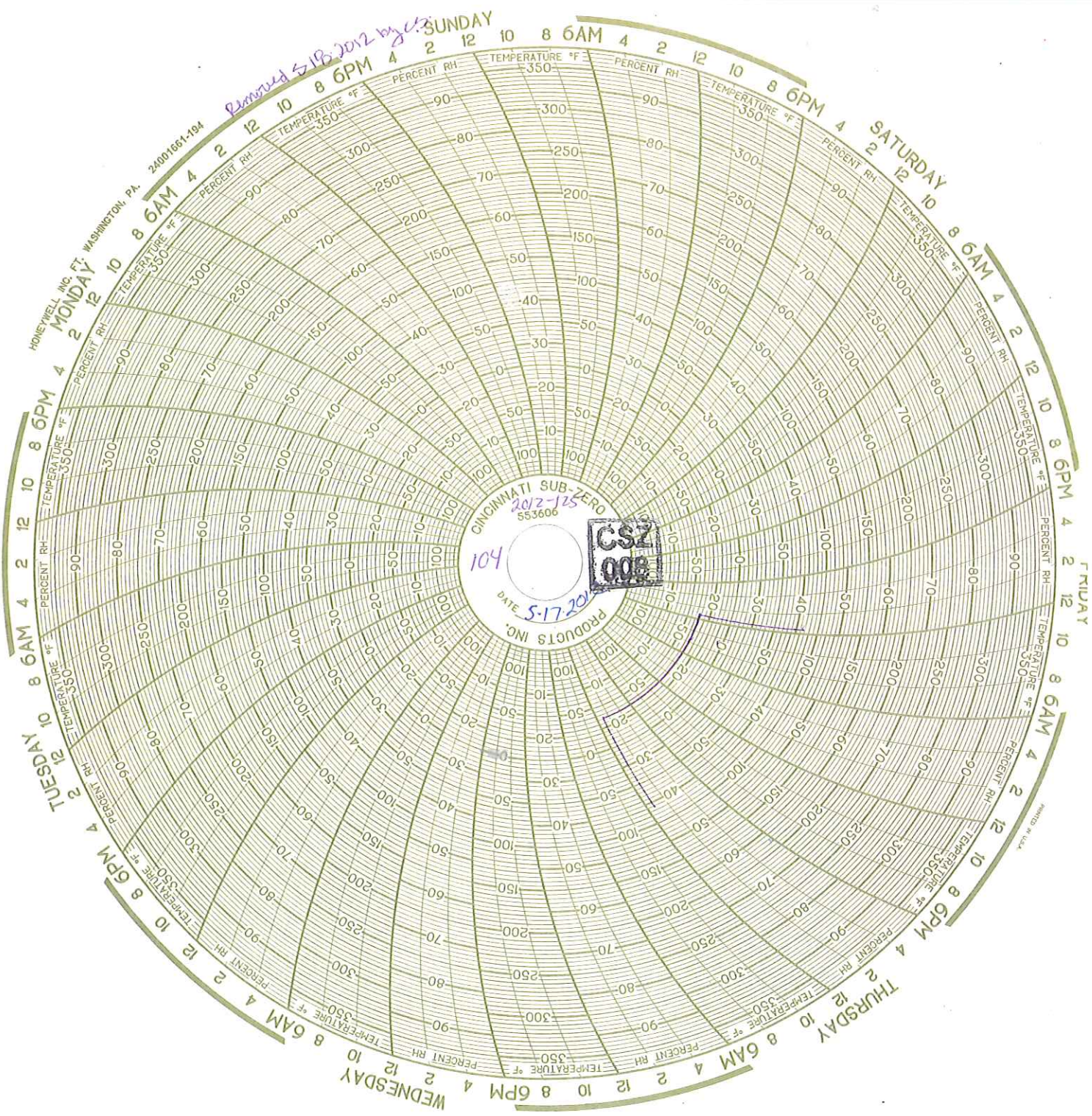
HONEYWELL INC. FT. WASHINGTON, PA. 24001661-194
Removed 5/15/2012 by JC
SUNDAY
MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
SATURDAY
6AM
6PM
TEMPERATURE °F
PERCENT RH
CINCINNATI SUB-ZERO
PRODUCTS INC.
553606
2012-125
104
DATE 5-17-201
CSZ
008

TEST 1

Test 1 uncured mixture thawed out, has the consistancy of gum.
Sample very sticky and still does not hold shape.

Test 1 Photo of sample mixture left out of chamber and ambient.
Sample is further in curing process than the sample that was frozen.
This sample will hold its shape but will adhere to self if folded.

Sample thawed had more visible air holes than the sample below that was left at ambient.

Sample left ambient had a shinier appearance than the sample that had been frozen.

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ENVIRONMENTAL EXPOSURE CERTIFICATE

Report Date	**5/24/2012**	**MTO #**	**MTO2012-125**
Customer	**THE COLT GROUP**	**Quote #**	**Q2012-239**
Test Sample	**SEALANT**	**PO #**	**20120407**
Part Number(s)	**N/A**		
Serial Number(s)	**CSZ001**		
Test Start Date	**5/21/2012**		
Test Completion Date	**5/22/2012**		
Performed By	CHERILYN SANDMAN		

Equipment Used	Description	Serial #	Calibration Date	Calibration Due Date
ESSC 104	CTH-64	S/N: CT13591	11/14/2011	11/14/2012

Test samples were subjected to the following conditions

In accordance with customer specifications

1. The cured sample were exposed to a temperature of -40F and then thaw.
2. Compare the cured sealant sample to another sample and note any differences.

OBSERVATIONS AND ANOMALIES

Date	Time	Initials	Description
5/21/2012	8:15 AM	CS	Test began
5/22/2012	8:15 AM	CS	Test completed with no visual anomalies
			I found no visible anomalies on the cured sample. I found no properties changed. 48 hours after test completed both samples had cured to the same point. Both samples held shape and would not stick when folded onto itself. The frozen sample had less air holes than after the test and appeared in consistency the same as the ambient sample.

Test results apply only to those parts and serial numbers listed above
Estimation of Uncertainty Measurements available upon request.

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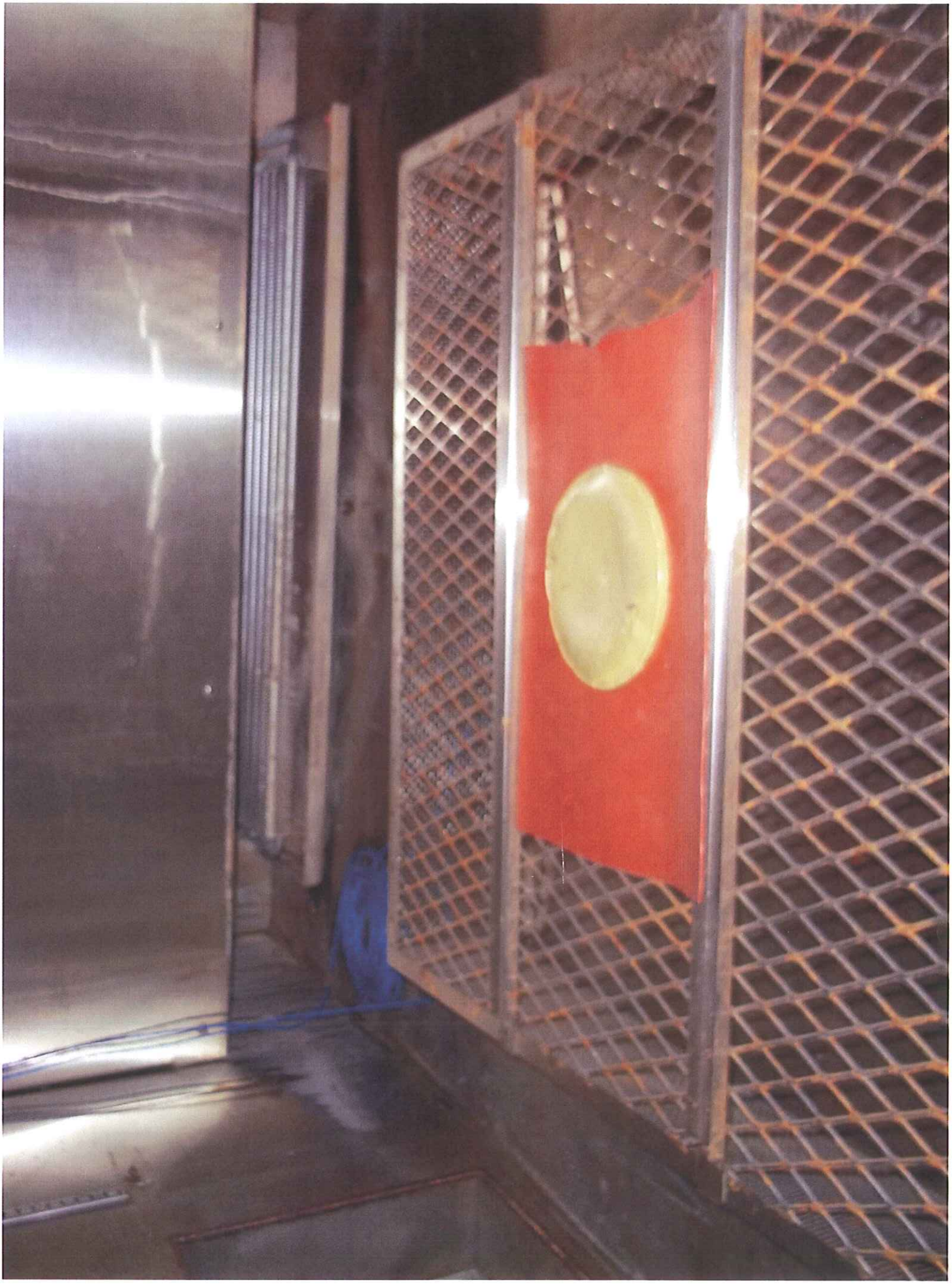
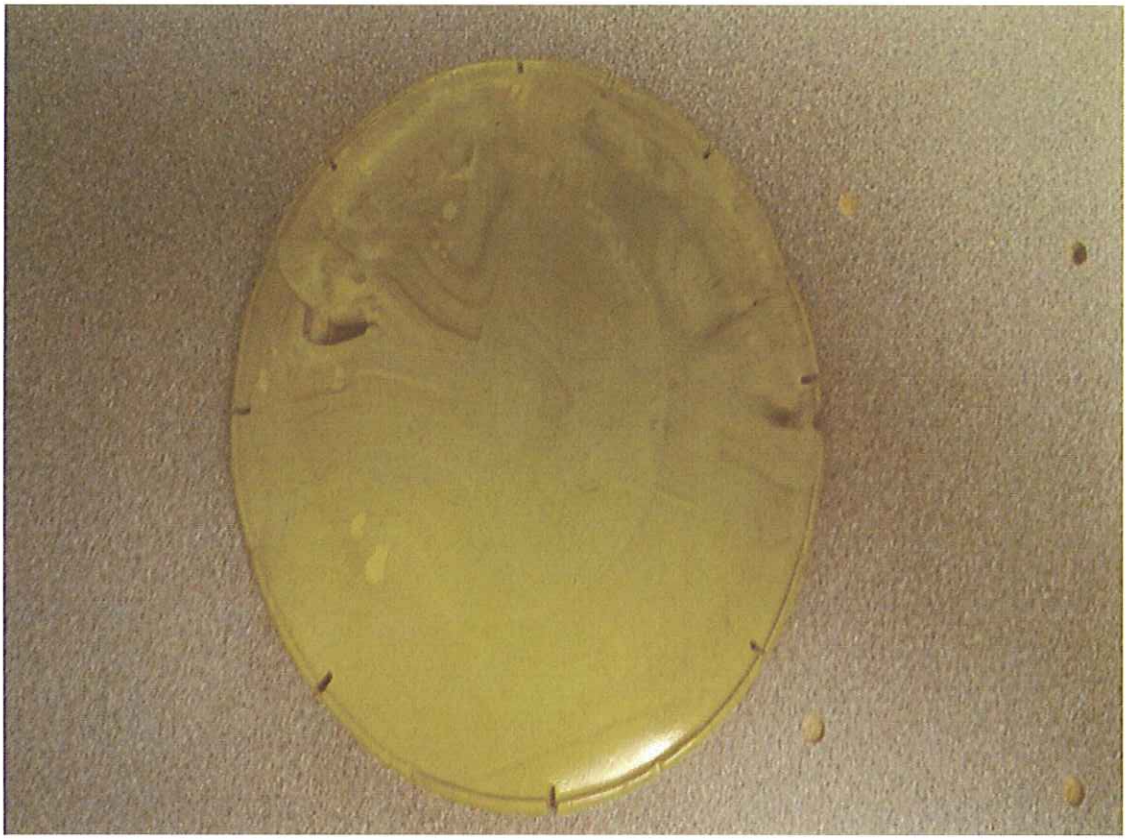
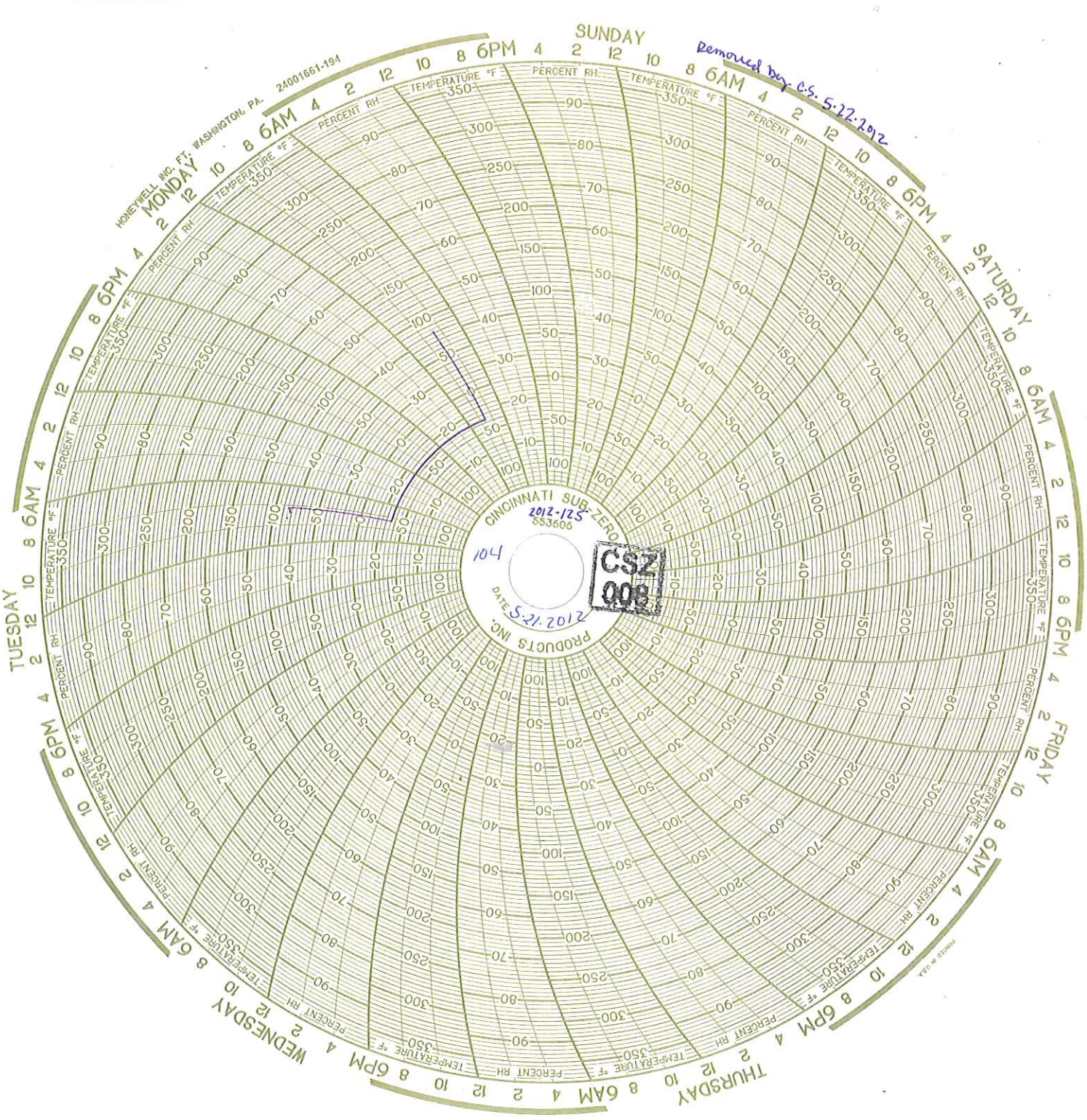


Test 2



Test 2- No visual anomalies observed after the sample thawed. All properties of substance appear to be the same as before test.



Removed by C.S. 5.22.2012
HONEYWELL INC. FT. WASHINGTON, PA. 24001661-194
SUNDAY
MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
SATURDAY
TEMPERATURE °F
PERCENT RH
CINCINNATI SUB-ZERO
2012-125
553606
104
DATE 5.21.2012
PRODUCTS INC.
CSZ
008

Cincinnati Sub-Zero
Testing Services

MASTER TASK ORDER

MTO Date 5/14/2012

Customer PO# 20120407
Customer ID EC0041
Contact JIM HACKETT
Customer THE COLT GROUP
Address 3430 SUMMER BROOKE DRIVE
RICHMOND,VA 23235

MTO #	MTO2012-125
Ref. Quote	Q2012-239
REPORT INFORMATION	
Not Required	
Photos	X
Data Only	
Report Format	Electronic
No. Copies	1

E-Mail Address jhackett@coltonline.com
Office Phone 866-572-5325

Unless Otherwise noted on the Environmental Exposure Certificate, all testing has been performed at:
CSZ Test Services
11901 Mosteller Rd.
Cincinnati, OH 45241

Job instructions:
Perform testing in accordance with Quote # Q2012-239 and specifications outlined on attached Environmental Exposure Certificate(s).

Special Instructions:

Test Specimen: SEALANT

Shipping Instructions:
Call for customer pick-up

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Testing Services

Receiving Inspection Report

MTO#: MTO2012-125
Date Received: 5/14/2012
Customer PO#: 20120407
Customer: THE COLT GROUP

By: CHERILYN SANDMAN

Description: SEALANT

Quantity:	Part #	Serial #	Condition	
3	N/A	CSZ001, CSZ002, CSZ003	Acceptable	X
			Damaged	
			Acceptable	
			Damaged	
			Acceptable	
			Damaged	
			Acceptable	
			Damaged	
			Acceptable	
			Damaged	

Comments

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