



TEST REPORT

CTC C1009-1

April 28, 2014



Accredited by
American Association for
Laboratory Accreditation (A2LA)



Certified Commercial
Package Testing Laboratory
(ISTA)



MIL-STD Laboratory
Suitability Status by
Defence Logistics Agency (DLA)

LABORATORY LOCATIONS



OREGON

5245-A NE Elam Young Pkwy.
Hillsboro, OR, 97124 • Ph: 503-648-1818



COLORADO

1530 Vista View Drive
Longmont, CO, 80504 • Ph: 720-340-7810

www.cascadetek.com

Job Number: C1009-1

Rev.	Description of the Revision	Date
---	Initial Release of the Certification Report.	April 28, 2014

Test Title	Test Summary
Atmospheric Conditioning	The test was conducted per the required standard with no deviations.



Cascade Technical Sciences
www.cascadetek.com
1-888-835-9250



TESTING CERT #2582.02

April 28, 2014

Certification No: CTC C1009-1

Attention: Mr. Bob Giese
SVTS Global
15334 E Hinsdale Circle, Unit 1E
Centennial, CO 80112

Reference: a. Cascade Tek Job No.: C1009-1
b. Cascade Tek Quote No.: CTQ 14235A
c. Client Purchase Order No.: N/A
d. Technical Specification: 1. ISTA 3E

Cascade Technical Sciences hereby certifies that Two (2) GOS-48x40 Pallets were subjected to the following test:

1. Atmospheric Conditioning Test per Reference (b) Item 1 and (d1) Sequence 2: Samples with customer-supplied test loads on top were subjected to +100°F and 85%RH for 72 hours.

Testing was done in accordance with the above references as evidenced and reported in the accompanying data. The test samples were returned to the customer's facility for evaluation.

The original of this report is on file at Cascade Technical Sciences, Inc. under the above referenced certification number for review by authorized personnel. The results of the testing reported herein relate only to the actual items tested.

Respectfully submitted,



David Bowles
Quality Administrator
Cascade Technical Sciences, Inc.

This test certification shall not be reproduced, except in full, without written authorization from Cascade Technical Sciences Inc.

Total number of pages in this document is 62.

The objective of this test program was to subject customer provided test hardware to environmental simulation in compliance with customer stated specification, including any authorized modification, deviations or concessions to the original requirements. The hardware consisted of items identified in the appropriate sections of this report. In addition to test hardware identification, each section contains information that describes the associated test setup and performance and the resulting data. Cascade TEK, Inc. measuring instruments used in testing were calibrated according to the requirements of ANSI/NCSS Z540-1-1944 and ISO/IEC 17025, 2nd Edition and are NIST traceable. Calibration records are on file and available for inspection by request. Because the test methods are well established and are qualitative or semi-quantitative in nature, Cascade TEK, Inc. does not apply measurement uncertainty unless obligated by contract. Measured value related to the corresponding tolerance requirement is used to decide whether a test meets the requirements of the specification. Any test hardware operational setups and resulting evaluations or inspections performed by the customer are not included in this report, unless they were explicitly requested. While observations and/or specification compliance statements may be reported, no interpretations or opinions regarding customer product performance are intended. Unless otherwise indicated in the appropriate report section, all contract obligations were met and the test objective achieved.



Test Data Log

Job Number: C1009-1
 Customer: SVTS

Date Started: 4/21/2014
 Date Completed: 4/25/2014

Reviewing Engineer: David Bowles

Responsible Technician: Keefe Hart

Signature:

Type of Test: Temperature/Humidity
 Test Specification: ISTA 3E Sequence 2

Specimen Description: Shipping/warehousing pallet

Specimen P/N or Model No.	Specimen S/N
GOS-48x40	Sample 1
GOS-48x40	Sample 2

Laboratory Temperature: +69

Laboratory Humidity: 22% RH

Test Description: Samples will be subjected to +100°F and 85% RH for a continuous period of 72 hours. At the conclusion of the 72 hour exposure, chamber will remain at exposure set points until customer is onsite.

Initials	Date	Time	Notes	Photo
KH	4/21/2014	1000	Customer onsite to deliver components and product for testing.	<input type="checkbox"/>
KH	4/22/2014	1000	Customer onsite to set up racks and samples with test loads in chamber 1267.	<input checked="" type="checkbox"/>
KH	4/22/2014	1030	Chamber is loaded. We will bring the temperature to +100°F (+38°C) and then slowly raise the RH to avoid overshoot. Over/under temp limits are set at +10°C and +45°C.	<input checked="" type="checkbox"/>
KH	4/22/2014	1115	Chamber temperature is +100°F (+38°C) and humidity is 84.8%; start exposure time.	<input type="checkbox"/>
KH	4/22/2014	1555	Chamber temperature is +100°F (+38°C) and humidity is 84.8%; continue exposure.	<input type="checkbox"/>
KH	4/23/2014	0815	Chamber temperature is +100°F (+38°C) and humidity is 85.1%; continue exposure.	<input type="checkbox"/>
KH	4/23/2014	1620	Chamber temperature is +100°F (+38.1°C) and humidity is 85.1%; continue exposure.	<input type="checkbox"/>
KH	4/24/2014	0827	Chamber temperature is +100.0°F (+38.0°C) and humidity is 85.0%; continue exposure.	<input type="checkbox"/>
KH	4/24/2014	1600	Chamber temperature is +100.0°F (+38.0°C) and humidity is 85.1%; continue exposure.	<input type="checkbox"/>
KH	4/25/2014	0755	Chamber temperature is +100.0°F (+38.0°C) and humidity is 85.0%; continue exposure.	<input type="checkbox"/>

DS2 - Test Equipment List



Test: Temperature Humidity **Job Number:** C1009-1 **Date:** 4/21/2014

Test Equipment List						
Equipment Description	Manufacturer	Model	S/N	Cal No.	Calibrated Date (mm/dd/yy)	Calibration Due Date (mm/dd/yy)
Walk In Temperature/Humidity Chamber	Espec	EWPX823-30CW	358174	1267	06-25-13	06-25-14
Digital Temp/ RH Meter	Cole Palmer	90080-03	130033077	FR417	03-27-13	03-27-15
Tape Measure	Stanley	FatMax	---	FR66	Verified	Before Use

Start Time : 2014/04/22 10:45:50.000
Stop Time : 2014/04/23 10:45:40.000
Printed Group : GROUP 2
Printed Range : 2014/04/22 10:45:50.000 - 2014/04/23 10:45:40.000
Comment : SVTS Global, Job #C1009-1



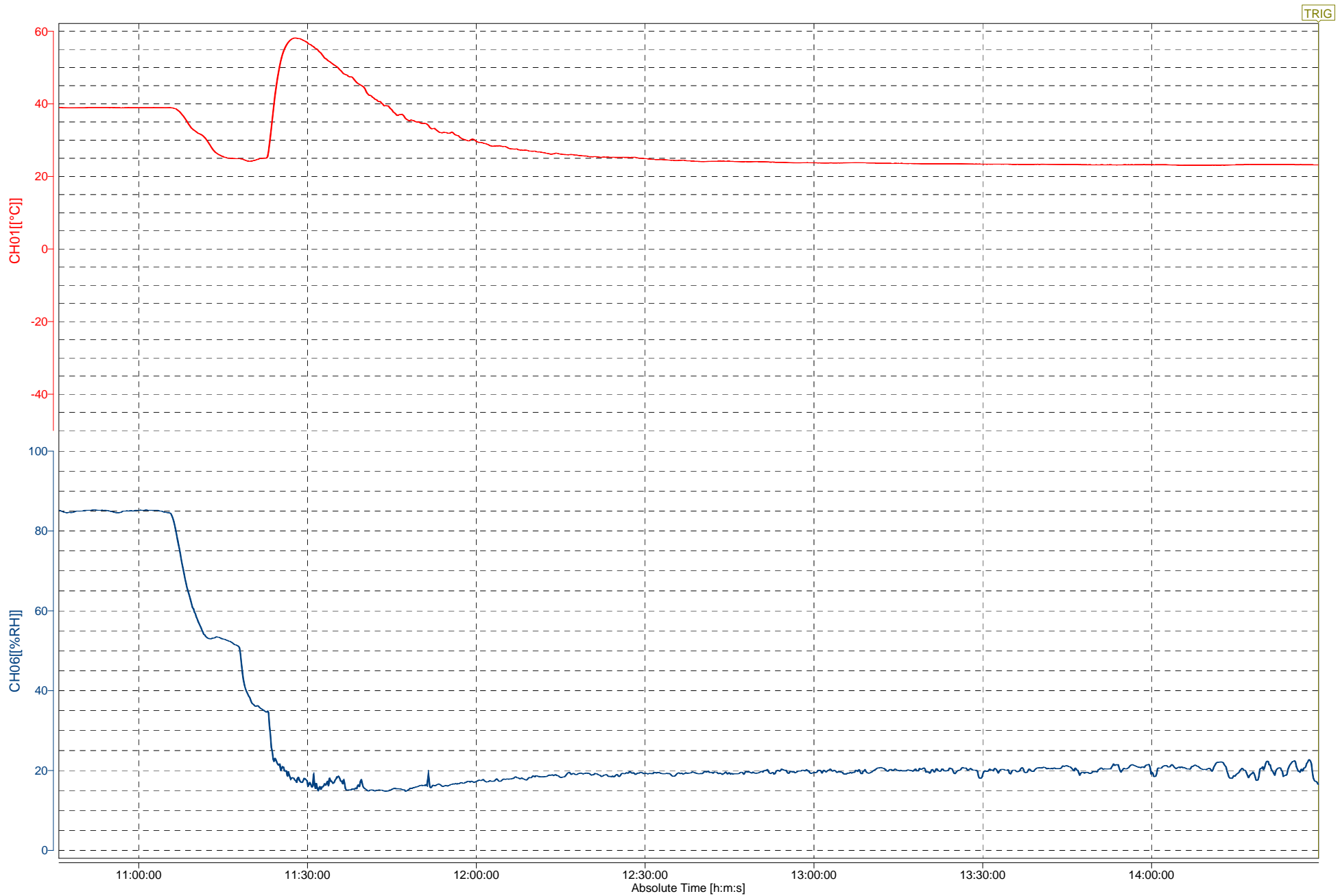
Start Time : 2014/04/23 10:45:50.000
Stop Time : 2014/04/24 10:45:40.000
Printed Group : GROUP 2
Printed Range : 2014/04/23 10:45:50.000 - 2014/04/24 10:45:40.000
Comment : SVTS Global, Job #C1009-1



Start Time : 2014/04/24 10:45:50.000
Stop Time : 2014/04/25 10:45:40.000
Printed Group : GROUP 2
Printed Range : 2014/04/24 10:45:50.000 - 2014/04/25 10:45:40.000
Comment : SVTS Global, Job #C1009-1



Start Time : 2014/04/25 10:45:50.000
Stop Time : 2014/04/25 14:29:40.000
Printed Group : GROUP 2
Printed Range : 2014/04/25 10:45:50.000 - 2014/04/25 14:29:40.000
Comment : SVTS Global, Job #C1009-1



PRE-EXPOSURE PHOTOS

GreenOX.

PALLET TECHNOLOGY

Patent No. 7,234,402

04/22/2014

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Patent No. 7,234,402

04/22/2014

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Patent No. 7,234,402

04/22/2014



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Pallet Technology

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PALLET TECHNOLOGY

Patent No. 7,234,402

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PALLET TECHNOLOGY
Patent No. 7,234,602

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FERTILIZER
100% ORGANIC

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Patent No. 7,234,402

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PALLET TECHNOLOGY
Patent No. 7,254,802

04/22/2014

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PALLET TECHNOLOGY

Patent No. 7,234,432

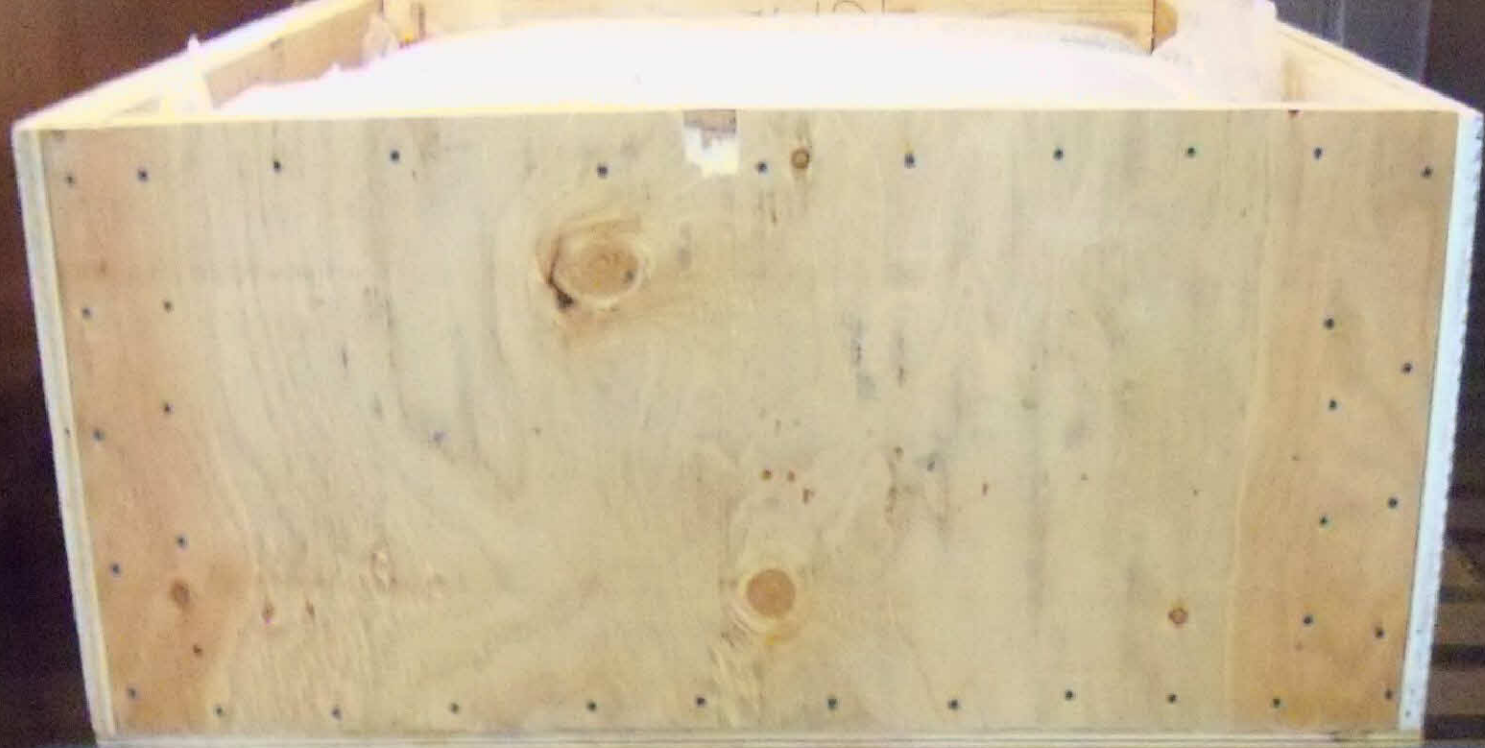
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PALLET TECHNOLOGY
Pallet No. 7-33-12

Date: 04-22-2014
SVTS Global
Job C1009-1
Atmospheric
Conditioning

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POST-EXPOSURE PHOTOS

GreenOX.

PALLET TECHNOLOGY

Patent No. 7,234,402

04/25/2014



21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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cascadetek.com
Front Range
720-340-7810

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PALLET TECHNOLOGY
Patent No. 7,234,402

Date: 04-25-2014
SVTS Global
Job C1009-1
Atmospheric Cond.
Post Exposure

04/25/2014



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FRIGHT TECHNOLOGY

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Patent No. 7,234,402

04/25/2014



GreenOX
PALLET MANAGEMENT
Phone No. 2234 432

04/25/2014

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