



Project Number: 4790830811
File Number: DA2382

Data Acceptance Program (DAP) Assessment Report for

CTT Group
3000 Boule Street
Saint-Hyacinthe, QC J2S 1H9
CA

in Underwriters Laboratories **Client Test Data Program (CTDP)**

Assessment conducted on 28-29 June, 2023

UL Assessment Team:

Elmostafa Benbouchta, Lead Auditor
Nick Galloway, Technical Auditor

Assessment Summary

Thank you for your cooperation during our recent visit to your facility. This assessment was conducted on 28-29 June, 2023 by Lead Auditor Elmostafa Benbouchta (elmostafa.benbouchta@ul.com). This summary may include any noteworthy areas of strength, and/or areas that will require follow-up during the next visit if applicable:

(Audit Staff - Click within the text box to activate that ability to type the summary. Click outside the box to go back to Excel.)

The audit 2023 UL DAP was conducted on-site by Elmostafa Benbouchta on the chosen clauses for ISO 17025 and Nicholas Galloway for the technical audit.

I want to thank the CTT lab staff for their outstanding professionalism, cooperation, and flexibility in conducting the UL DAP Audit. The clauses in the pathnotes of new OSHA Directive requirements highlighted in 00-OP-C0043, were reviewed with CTT and compliance.

CTT's Quality Management System policy and procedures are comprehensive. The lab staff demonstrated in-depth knowledge and a high level of technical competency.

During the technical audit, the technical auditor found equipment items that were not ISO 17025 calibrated before being placed in service. 785695 (Elmendorf) weights were found out of calibration and 787462 (tensile tester) is calibrated at 5 and 100 mm/min, but not at 305 mm/min (operating range) and Anemometer (786748) is calibrated between 0.24-20.12 m/sec, but the requirement is 0.02-3.04 m/sec.

One (NCR #1) was generated to address these equipment items.

CTT Group is being recommended for continued participation in the UL DAP TPTDP

Finally, we would like to thank GCTT for the availability and the commitment of all their staff to respond to our questions and on-going support of the UL TPTDP program.

Elmostafa Benbouchta/ Nicholas Galloway

- Based on the findings of this assessment we are continuing recognition under the Client Test Data Program (CTDP)
- Based upon these findings, we are recommending inactivation. Please see Appendix A, Section II.

Nonconformities to Requirements

The following non-conformities have been noted as findings and/or observations in the table below.

Clause	ISO/IEC 17025:2017 Assessment Topics*	Number of NCRs written per clause:	
		Findings	Observations
6.2	Personnel		
6.3	Facilities and environmental conditions		
6.4	Equipment	1	
6.5	Metrological traceability		
6.6	Externally provided products and services		
7.2	Selection, verification and validation of methods		
7.4	Handling of test or calibration items		
7.5	Technical Records		
7.8	Reporting of results		
7.10	Non-Conforming Work		
7.11	Control of data and information management		
8.3	Control of management system documents (Option A)		
8.4	Control of records (Option A)		
8.7	Corrective actions (Option A)		
	OSHA Directive		

There was 1 Finding NCR(s) and 0 observation NCR(s) noted during this assessment. Details are provided within the enclosed NCR report. Instructions for the Follow-up Process are provided in Appendix A, Section I.

Previous NCRs () were reviewed to confirm implementation and effectiveness.

See Attachment A (provided with this report) for the standards and tests that are included under the scope of DAP participation.

Appendix A: Instructions for Follow-up

I - Non-conformities (NCRs):

For any non-conformances that require Corrective Action, please complete the required sections of the Form and e-mail it to the Lead Auditor by the date identified within the NCR Report (typically within 20 business days of the completion of the audit). If the Anniversary Date (AVD) is within less than 20 days, please note you may need to respond sooner to remain active in the program. The DAP Lead Auditor will note this within the NCR Report (in the response due by section). If no response is received within the required timeframe, the participant may be inactivated from the program.

Corrective Action Required:

- A. Please complete the "Analysis leads to Root Cause Statement" section of the NCR Report by including a summary of the analysis performed and the final Root Cause Statement. Document the Corrective Actions(s) taken to fix the root cause identified and provide dates and related objective evidence as to how and when these Corrective Actions were completed.
- B. If a Corrective Action is planned or in-process (it cannot be completed by the requested response date), please indicate the long term Corrective Action(s) that are planned or in-process and provide the anticipated date(s) to complete all actions.
- C. All NCR's that require Corrective Action will be verified for effectiveness during the next DAP Assessment.

Observations:

- A. No Root Cause Analysis is required for Observations.
- B. Identify the Corrective Actions(s) taken to fix the problem identified within the "Nonconformity (problem statement)" and provide dates and related objective evidence as to how and when these Corrective Actions were completed.
- C. If a Corrective Action is planned or in-process (it cannot be completed by the requested response date), please indicate the long term Corrective Action(s) and provide the anticipated date(s) to complete all actions.
- D. If the Objective Evidence provided is sufficient to verify the effectiveness of the Corrective Action taken (i.e. revised record or QMS Document); the Observation can be closed. If not, it will be verified during the next DAP assessment.

II - Recommendation for Data Acceptance Program (DAP) Inactivation (If indicated on page 2)

The non-conformities(s) indicated below and recorded in the NCR forms are considered of major significance, and as such indicate a breakdown in your management system.

Clause Number / NCR Reference:

Description:

This report is being forwarded to UL for immediate review, and you will receive a notification regarding the status of your participation in the Data Acceptance Program. **Corrective Action responses will be required within 10 business days to the lead assessor of the notification date.** A special assessment may be conducted within 4 months (120 days) to re-audit the clauses/NCR(s) indicated above. If the outcome shows the corrective action was effectively implemented and the system is in compliance, then the normal annual assessment program will be resumed. Your Data Acceptance Program will be placed on inactive status should the NCR(s) not be resolved at this time.

If the system is not found to be in compliance within 120 days from the date of this report, participation in the Data Acceptance Program will be inactivated.

To appeal an assessment finding, please contact DAP@ul.com for further assistance.

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Standard Number:	Standard Title:	Standard Edition (Amendment):	Clause:	Test method:
ATTACHMENT A - Post Audit Scope (90 Tests Total)				
CSA Z96	High-Visibility Safety Apparel	2009	6.1	PHOTOMETRIC AND PHYSICAL PERFORMANCE REQUIREMENTS FOR RETROREFLECTIVE MATERIALS-PERFORMANCE OF RETROREFLECTIVE MATERIAL PRIOR TO TEST EXPOSURES
CSA Z96	High-Visibility Safety Apparel	2009	6.2	PERFORMANCE OF RETROREFLECTIVE MATERIAL AFTER TEST EXPOSURES (EXCEPT 8.4.7-DRY CLEANING)
CSA Z96	High-Visibility Safety Apparel	2015	4	GARMENT CLASS AND DESIGN
CSA Z96	High-Visibility Safety Apparel	2015	4.4	SPECIAL ALLOWANCES FOR FR GARMENT DESIGN
CSA Z96	High-Visibility Safety Apparel	2015	5.1	COLOUR OF BACKGROUND AND COMBINED-PERFORMANCE MATERIALS
CSA Z96	High-Visibility Safety Apparel	2015	5.2.1	COLOURFASTNESS PROPERTIES FOR BACKGROUND MATERIALS-COLOURFASTNESS TO LIGHT (XENON)
CSA Z96	High-Visibility Safety Apparel	2015	5.2.2	COLOURFASTNESS PROPERTIES FOR BACKGROUND MATERIALS-COLOURFASTNESS TO CROCKING
CSA Z96	High-Visibility Safety Apparel	2015	5.2.3	COLOURFASTNESS PROPERTIES FOR BACKGROUND MATERIALS-COLOURFASTNESS TO PERSPIRATION
CSA Z96	High-Visibility Safety Apparel	2015	5.2.4	COLOURFASTNESS PROPERTIES FOR BACKGROUND MATERIALS-COLOURFASTNESS PROPERTIES RELATED TO CARE LABELING
CSA Z96	High-Visibility Safety Apparel	2015	5.3	DIMENSIONAL CHANGE FOR BACKGROUND MATERIALS
CSA Z96	High-Visibility Safety Apparel	2015	5.4.1	MECHANICAL PROPERTIES OF BACKGROUND MATERIALS-BURSTING STRENGTH OF KNITTED AND OTHER NONWOVEN MATERIALS
CSA Z96	High-Visibility Safety Apparel	2015	5.4.2	MECHANICAL PROPERTIES OF BACKGROUND MATERIALS-TEAR RESISTANCE OF WOVEN MATERIALS (UNCOATED, COATED, OR LAMINATED)
CSA Z96	High-Visibility Safety Apparel	2015	5.5.1	PERFORMANCE UNDER WET CONDITIONS-WATER REPELLENCY
CSA Z96	High-Visibility Safety Apparel	2015	5.5.2	PERFORMANCE UNDER WET CONDITIONS-WATER RESISTANCE
CSA Z96	High-Visibility Safety Apparel	2015	5.5.3	PERFORMANCE UNDER WET CONDITIONS-WATER PENETRATION
CSA Z96	High-Visibility Safety Apparel	2015	5.6	WATER VAPOUR PERMEABILITY FOR BACKGROUND MATERIALS CLASSIFIED AS BREATHABLE
CSA Z96	High-Visibility Safety Apparel	2015	6.1	PHOTOMETRIC AND PHYSICAL PERFORMANCE REQUIREMENTS FOR RETROREFLECTIVE MATERIALS-PERFORMANCE OF RETROREFLECTIVE MATERIAL PRIOR TO TEST EXPOSURES
CSA Z96	High-Visibility Safety Apparel	2015	6.2	PERFORMANCE OF RETROREFLECTIVE MATERIAL AFTER TEST EXPOSURES (EXCEPT 8.4.7-DRY CLEANING)
CSA Z96	High-Visibility Safety Apparel	2015	7.2	DETERMINATION OF COLOUR
CSA Z96	High-Visibility Safety Apparel	2015	7.3	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE
CSA Z96	High-Visibility Safety Apparel	2015	7.4.1	RETROREFLECTION AFTER TEST EXPOSURES-ABRASION
CSA Z96	High-Visibility Safety Apparel	2015	7.4.2	RETROREFLECTION AFTER TEST EXPOSURES-FLEXING
CSA Z96	High-Visibility Safety Apparel	2015	7.4.3	RETROREFLECTION AFTER TEST EXPOSURES-FOLDING AT COLD TEMPERATURES
CSA Z96	High-Visibility Safety Apparel	2015	7.4.4	RETROREFLECTION AFTER TEST EXPOSURES-EXPOSURE TO TEMPERATURE VARIATION

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CSA Z96	High-Visibility Safety Apparel	2015	7.4.6	RETROREFLECTION AFTER TEST EXPOSURES-WASHING ACCORDING TO CARE LABEL
CSA Z96	High-Visibility Safety Apparel	2015	7.4.8	RETROREFLECTION AFTER TEST EXPOSURES-RETROREFLECTIVE PERFORMANCE UNDER WET CONDITIONS
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	10.2	DETERMINATION OF COLOR
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	10.3	METHOD FOR DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	10.4.1	RETROREFLECTION AFTER TEST EXPOSURE-ABRASION
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	10.4.2	RETROREFLECTION AFTER TEST EXPOSURE-FLEXING
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	10.4.3	RETROREFLECTION AFTER TEST EXPOSURE-FOLDING AT COLD TEMPERATURES
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	10.4.4	RETROREFLECTION AFTER TEST EXPOSURE-EXPOSURE TO TEMPERATURE VARIATION
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	10.4.5.1 - 10.4.5.2	RETROREFLECTION AFTER TEST EXPOSURE-WASHING
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	10.4.6	RETROREFLECTION AFTER TEST EXPOSURE-RETROREFLECTIVE WET PERFORMANCE
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	6	DESIGN
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.1.1	COLOR- BACKGROUND AND COMBINED-PERFORMANCE MATERIALS PRIOR TO EXPOSURE TESTS
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.1.2	COLOR-COLORFASTNESS OF COMBINED-PERFORMANCE MATERIALS AFTER XENON TEST
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.2.1	COLORFASTNESS OF BACKGROUND MATERIALS - COLORFASTNESS TO CROCKING
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.2.2	COLORFASTNESS OF BACKGROUND MATERIALS-COLORFASTNESS TO PERSPIRATION
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.2.3	COLORFASTNESS OF BACKGROUND MATERIALS-COLORFASTNESS - WHEN LAUNDERED, DRY-CLEANED, HYPOCHLORITE BLEACHED AND HOT-PRESSED
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.2.4	COLORFASTNESS OF BACKGROUND MATERIALS-COLORFASTNESS OF BACKGROUND MATERIALS AFTER XENON TEST
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.3	DIMENSIONAL CHANGE OF BACKGROUND MATERIAL(AATCC 135-2012:HOME LAUNDERING)
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.4.1	MECHANICAL PROPERTIES OF BACKGROUND MATERIALS - BURSTING STRENGTH OF KNITTED MATERIALS AND OTHER NONWOVEN CONSTRUCTIONS (UNCOATED, COATED OR LAMINATE)
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.4.2	MECHANICAL PROPERTIES OF BACKGROUND MATERIALS - TEAR RESISTANCE OF WOVEN MATERIALS (UNCOATED, COATED, OR LAMINATE)
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.5.1	PERFORMANCE UNDER WET CONDITIONS-WATER REPELLENCY
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.5.2	PERFORMANCE UNDER WET CONDITIONS-WATER RESISTANCE
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.5.3	PERFORMANCE UNDER WET CONDITIONS-WATERPROOF

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ISEA 107	High-Visibility Safety Apparel and Accessories	2015	8.6	WATER VAPOR PERMEABILITY FOR BACKGROUND MATERIALS CLASSIFIED AS BREATHABLE
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	9.1	PHOTOMETRIC AND PHYSICAL PERFORMANCE REQUIREMENTS FOR RETROREFLECTIVE MATERIALS-RETROREFLECTIVE PERFORMANCE REQUIREMENTS PRIOR TO TEST EXPOSURE
ISEA 107	High-Visibility Safety Apparel and Accessories	2015	9.2	RETROREFLECTIVE PERFORMANCE REQUIREMENTS AFTER TEST EXPOSURE (EXCEPT 10.4.5.3-DRY CLEANING)
NFPA 1971	Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting	2018	8.45	RETROREFLECTIVITY AND FLOURESCENCE
NFPA 1999	Standard on Protective Clothing and Ensembles for Emergency Medical Operations	2018	8.28	Moisture Vapor Transmission Rate
ISEA 107	High-Visibility Safety Apparel	2020	6	Design
ISEA 107	High-Visibility Safety Apparel	2020	7.1	Criteria for Optional Features and Testing--Pockets
ISEA 107	High-Visibility Safety Apparel	2020	7.2	Criteria for Optional Features and Testing-- Identification Panels, Lettering and Logos (Type R and P)
ISEA 107	High-Visibility Safety Apparel	2020	7.3	Criteria for Optional Features and Testing-- Identification of Personnel (Type P)
ISEA 107	High-Visibility Safety Apparel	2020	7.5	Criteria for Optional Features and Testing--Single-Use Disposable Coveralls
ISEA 107	High-Visibility Safety Apparel	2020	8.1	Requirements for Background and Combined-Performance Retroreflective Materials--color
ISEA 107	High-Visibility Safety Apparel	2020	8.2	Requirements for Background and Combined-Performance Retroreflective Materials--Colorfastness of Background Material
ISEA 107	High-Visibility Safety Apparel	2020	8.3	Requirements for Background and Combined-Performance Retroreflective Materials--Dimensional Change of Background Material
ISEA 107	High-Visibility Safety Apparel	2020	8.4	Requirements for Background and Combined-Performance Retroreflective Materials--Mechanical Properties of Background Material
ISEA 107	High-Visibility Safety Apparel	2020	8.5	Requirements for Background and Combined-Performance Retroreflective Materials--Performance Under Wet Conditions
ISEA 107	High-Visibility Safety Apparel	2020	8.6	Requirements for Background and Combined-Performance Retroreflective Materials--Water Vapor Permeability for Background Materials Classified as Breathable
ISEA 107	High-Visibility Safety Apparel	2020	9.1	Photometric and Physical Performance Requirements for Retroreflective and Combined-Performance Materials--Retroreflective Performance Requirements Prior to Test Exposure
ISEA 107	High-Visibility Safety Apparel	2020	9.2	Photometric and Physical Performance Requirements for Retroreflective and Combined-Performance Materials--Retroreflective Performance Requirements After Test Exposure
ISEA 107	High-Visibility Safety Apparel	2020	10.1	Sampling and Conditioning
CSA Z96	High-Visibility Safety Apparel	2022	4	GARMENT CLASS AND DESIGN
CSA Z96	High-Visibility Safety Apparel	2022	4.4	Special allowances for FR garment design
CSA Z96	High-Visibility Safety Apparel	2022	5.1	Photometric and physical performance requirements for colour of background and combined-performance materials
CSA Z96	High-Visibility Safety Apparel	2022	5.2	Colourfastness to light (xenon) properties for background and combined- performance materials

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CSA Z96	High-Visibility Safety Apparel	2022	5.3.1	Colourfastness properties for background materials – Colourfastness to crocking
CSA Z96	High-Visibility Safety Apparel	2022	5.3.2	Colourfastness properties for background materials – Colourfastness to perspiration
CSA Z96	High-Visibility Safety Apparel	2022	5.3.3	Colourfastness properties for background materials – Colourfastness properties related to care labeling
CSA Z96	High-Visibility Safety Apparel	2022	5.4	Dimensional Change for background materials
CSA Z96	High-Visibility Safety Apparel	2022	5.5.1	Mechanical properties for background materials - Bursting strength of knitted and other nonwoven materials
CSA Z96	High-Visibility Safety Apparel	2022	5.5.2	Mechanical properties for background materials - Tear resistance of woven materials (uncoated, coated, or laminated)
CSA Z96	High-Visibility Safety Apparel	2022	5.6.1	Performance under wet conditions – Water repellency
CSA Z96	High-Visibility Safety Apparel	2022	5.6.2	Performance under wet conditions – Water resistance
CSA Z96	High-Visibility Safety Apparel	2022	5.6.3	Performance under wet conditions – Water penetration
CSA Z96	High-Visibility Safety Apparel	2022	5.7	Water vapour permeability for background materials classified as breathable
CSA Z96	High-Visibility Safety Apparel	2022	6.1	Photometric performance for retroreflective and combined performance retroreflective materials before and after physical exposure - Photometric performance prior to test exposure
CSA Z96	High-Visibility Safety Apparel	2022	6.2	Photometric performance for retroreflective and combined performance retroreflective materials before and after physical exposure - Photometric performance after test exposure (Except 7.4.8 After Dry Cleaning)
CSA Z96	High-Visibility Safety Apparel	2022	7.4.1	Retroreflection after test exposures – Abrasion
CSA Z96	High-Visibility Safety Apparel	2022	7.4.2	Retroreflection after test exposures – Flexing
CSA Z96	High-Visibility Safety Apparel	2022	7.4.3	Retroreflection after test exposures – Folding at Cold Temperature
CSA Z96	High-Visibility Safety Apparel	2022	7.4.4	Retroreflection after test exposures – Exposure to Temperature Variation
CSA Z96	High-Visibility Safety Apparel	2022	7.4.7	Retroreflection after test exposures – Washing
CSA Z96	High-Visibility Safety Apparel	2022	7.4.9	Retroreflective performance under wet conditions
NFPA 2112	Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire	2023	8.1.3	WASHING AND DRYING PROCEDURE
NFPA 2112	Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire	2023	8.5	MANIKIN