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rebiognice desc SAFETY COMPLIANCE TESTING FOR ASTM F-1492-22 Loblogniced excepting HELMETS USED IN SKATEBOARDING AND TRICK ROLLER SKATING Nitten approval from Ac

Brand : LEATT

Model : LT2323-MTB URBAN 2.0

Tested Size : JR/XS (50-54 cm) Stock / Model Number

Country of Origin

Age Grading

Children's Product

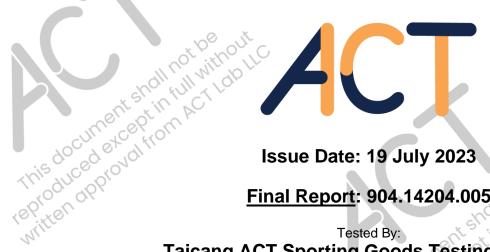
repared For:

Leatt Corporation

12 Kiepersol Crescent

3 Gardens Busing

pe Farms Atlas Gardens Business Park, Cape Farms, Cape Town, 7550, ZA



Issue Date: 19 July 2023

Final Report: 904.14204.005

Tested By:

reproduced except in tull without Labilic Taicang ACT Sporting Goods Testing Co., Ltd. No. 35 Zhenghe Road. Ludu Town, Taicang City, Suzhou, Jiangsu Province, China 215412 www.act-lab.com

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Contract File No.: 904.14204

Test File: 005

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

Technician: Terry Liu . 18 in fill witho Test Date: 18 July 2023



HELMET DATA

| ACT Lab LLC 3280 East 59th Street, Long Beach, CA 90805 Tel 562.470.7215 Web act-lab.com | Chuer |
|--|----------------|
| HELMET DATA | is goon obblor |
| HELMET BRAND NAME: <u>LEATT</u> | 10°01 |
| HELMET MODEL DESIGNATION: LT2323-MTB URBAN 2.0 | - Incompany |
| HELMET MANUFACTURER: DONGDUAN YIYANG SPORTS Co., Ltd. | |
| HELMET SIZE: JR/XS (50-54 cm) | |
| DATE OF MANUFACTURE: 03/23 | |
| AGE GRADING: 5 and older | _ |
| EPS COLOR: Black | _ |
| BUCKLE TYPE: Nx/A | _ |
| LOT NUMBER: TBD | |
| PURCHASE ORDER #: 217667 | |
| HELMET COVERAGE: Partial X Full: Complete: | IIME |
| TEST HEADFORM SIZE: EN960 E | 900096 |
| HELMET POSITIONING INDEX: 12 mm | (L) JUCOPY |

| Helmet Number: | et Number: Weight (g): Hel | | Weight (g): |
|----------------|----------------------------|--------|-------------|
| 1.Ambient | 437 | 3.Cold | 438 |
| 2.Hot | 436 | 4. Wet | 10° 01, 437 |

| Conditioning Temperatures | | | | |
|---------------------------|-------|--|--|--|
| Lab Humidity: | 59% | | | |
| Ambient: | 23°C | | | |
| Hot: | 50°C | | | |
| Cold: | -15°C | | | |
| Wet: | 23°C | | | |

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This docum Technician: Terry Liu Test Date: 18 July 2023 ont shall not without Lob LLC

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TEST SUMMARY

| | TEST SUMMARY | |
|----------------|----------------------------|-----------|
| or's | Test Requirements | Pass/Fail |
| cume. | Peripheral Vision | Pass |
| 15 400 d 8, | Projections | Pass |
| Illi gladbb. | Positional Stability | Pass |
| This doced ext | Dynamic Strength Retention | Pass |
| W. | Impact Attenuation | Pass |
| | Labels and Warnings | Pass |

Reviewed by: John Bogler

Tested By: Terry Liu

Comments:

- reproducede All helmets were received in undamaged condition and were appropriate for testing.
 The accompanying helmet labels were submitted independently from the test samples and thus could not be checked for any characteristics except for the containing information.
 These helmets appear to be constructed of materials that are not invitation or disease.
 Weights listed of 3. These helmets appear to be constructed of materials that are not known to cause skin irritation or disease.

 4. Weights listed above for helmets 1.1
- Triese tielmets appear to be constructed of materials that are not known to cause irritation or disease.
 Weights listed above for helmets 1-4 are as tested, with no attachments included.
 This helmet met all requirements for ASTM F1492. nents inc nents inc nents inc shall not with the standard of t

Contract File No.: 904.14204

Test File: 005

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

Technician: Terry Liu J. J. Fill WithOl Test Date: 18 July 2023 . p. . chdll not West Top IIC



LABELING

| | LABELING | Present on |
|---------|---|-----------------------------------|
| Section | Labeling - Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user: | Present on Helmet? Yes / No |
| F14 | 146: Standard Test Methods for Equipment and Procedures Used in Evaluating the Perfor Characteristics of Protective Headgear | mance |
| 12.4 | Each helmet shall contain labels with at least the following information, using terms and symbols commonly known and easily visible to users. The label(s) should be likely to remain on the helmet and legible throughout the intended design life of the helmet. | Yes |
| 12.4.1 | The number of the standard specification which the manufacturer certifies that it meets, including the two-digit version year appended to the number. | Yes |
| 12.4.2 | Model designation | Yes |
| 12.4.3 | Name of manufacturer | Yes |
| 12.4.4 | Month and year of manufacture | Yes |
| 12.4.5 | A label that warns the user that no helmet can protect against all possible impacts and that for maximum protection the helmet must be fitted and attached properly to the wearer's head in accordance with the manufacturer's fitting instructions. | Yes |
| 12.4.6 | A label that warns the user that the helmet may, after receiving an impact, be damaged to the point that it is no longer adequate to protect the head against further impacts, and that this damage may not be visible to the user. This label should also state that a helmet that has sustained an impact should be returned to the manufacturer for competent inspection or be destroyed and replaced. | Yes Yes |
| 12.4.7 | A label that warns the user that the helmet can be damaged by contact with common substances (for example, certain solvents, cleaners, hair tonics, etc.) and that this damage may or may not be visible to the user. This label should also list any recommended cleaning agents or procedures, or both. | Yes |
| 12.4.8 | Any other warnings, cautions, or instructions specified in the individual standard specification. | Yes |
| 12.4.9 | Each helmet shall have accompanying fitting and positioning instructions including graphic representation of proper positioning. | Yes |
| Section | Labeling - Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user: | Present on Helmet? Yes / No |
| 1492-22 | Standard Test Methods for Equipment and Procedures Used in Skateboarding and Trick F | |
| 4.2 | Shall have the words "For skateboarding or trick roller skating". | Yes Thi |

Contract File No.: 904.14204

Test File: 005

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

Technician: Terry Liu Test Date: 18 July 2023 ont shall not without Lob LL

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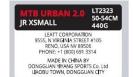
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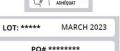


904.14204.005 - LT2323-MTB URBAN 2.0





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WARNING

THIS HELMET IS FOR PEDAL. CYCLISTS, SKATEBOARDERS OR ROLLER SKATERS, NO HELMET CAN PROTECT THE USER AGAINST ALL FORSECABLE IMPACTS. SERIOUS BUILDING ROLLER MAY OCCUR. FOR MANDHUM PROTECTION, HELMET MUST BE FITTED. ADJUSTED AND ATTRACTED PRODUREN. TO THE WARRESS HAND STATEMENT OF THE WARRESS HAND AND ATTRACTED PRODUREN. TO THE WARRESS HAND SHOULD NOT BE USED BY CHILDREN WHILE CLIMBING OR DOING OTHER ACTIVITIES WHEN THERE SA ARSK OF HANGAING IF THE CHILD CETS TRAPPED WITH THE FLEMET. ETHE HELMET POPRISHNESS A SYNEE BROW, RETURN IT TO THE MANDFACTURER FOR HELMET STATEMENT OF THE ACTIVITIES WHEN THE CHILD STATEMENT OF THE ACTIVITIES WHEN THE ACTIVITIES AND CAN BE SERIOUSLY DAMAGED BY SOME COMMON SUBSTANCES WHITOUT OUT ADMAGES BEING VISINE TO SUBSTANCES WHITOUT DAMAGES BEING VISINE TO SUBSTANCES WHITOUT DAMAGES BEING VISINE TO SUBSTANCES WHITOUT DAMAGES BEING VISINE SUCH ASS. SOLVENTS, BLEACHES, STRONG DETERGENTS OR BY EXCESSIVE HAIT, ONLY USE MILD SOLVE AND ACTIVITIES WHEN THE ACTIVITIES AND LEFTOR USE.

CE CASQUE EST CONÇU POUR LES SPORTS CYCLISTES, LE PATIN OU LA PINACHE À ROULETTES. AUCUN CASQUE NE PEUT PROTÉGER CONTRE TOUS LES ACCIDENTS, DE RESSURES GRAVES OU LA MORT PRUVENT SURVENIR, POUR DE PROTECTION OFFINALE, LE CASQUE DOIL TÈRE ATTACHÉ ET AUSTIS SIGON LES INSTRUCTIONS DOINS DANS LE GUIDE OU FORT PAUTE AUTORISME DANS LE GUIDE OU FORT PAUTE ACCIDITÉ, AUX CHI CASQUE SUR L'AUX NE ROCIL D'ÉTRANGLEMENT SI L'INVAINT REITE COINCÉ AUX CLE GAQUE, SI LE CASQUE SUBIT UN IMPACT, LE RETOURNER AU DÉTALLANT DOIL INSTRUCTION, OL LE DÉTRUIR ET LE REMPACRE LES DOMMAGES PEUV INTÉTRE INMISIBLE. CE CASQUE SIT FAIRIQUE AVEC DU POUVSTYRÉNE DEPANS LE FUEL TIER MINSIBLE. CE CASQUE SIT FAIRIQUE AVEC DU POUVSTYRÉNE DEPANS LE FUEL TIER SERRICISMENT SUR DOMMAGE PAR CERTAINES SUSTEMACE COMMUNE COMME : LES SERRICISMENT ENDOMMAGE PAR CERTAINES SUSTEMACE COMMUNE COMME : LES DOMMAGES PAUT D'AUX D'AUX

904.14204.005 - Labels

Contract File No.: 904.14204

Test File: 005

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM en dippi

Technician: Terry Liu 18 July WithOl . Dat ANT LOP IIC Test Date: 18 July 2023



SUMMARY REPORT

| HELMET ID | Condition | <u>Brand</u> <u>Name</u> | <u>Model</u> | <u>Date of</u> <u>Manufacture</u> | Helmet Size | <u>Headform</u> <u>Size</u> |
|--------------|-----------|-----------------------------|----------------------|--------------------------------------|------------------|--------------------------------|
| 1 | Ambient | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | JR/XS (50-54 cm) | EN960 E |
| 2.50 | Hot | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | JR/XS (50-54 cm) | EN960 E |
| 3,000 | Cold | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | JR/XS (50-54 cm) | EN960 E |
| (4) | Wet | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | JR/XS (50-54 cm) | EN960 E |

POSITIONAL STABILITY (ROLL OFF) TEST

| HELMET ID | Condition | Drop Mass (kg) | Drop Height (m) | REQUIREMENT | TEST RESULTS |
|-----------|-----------|-------------------|--------------------|-------------|--------------|
| 4 | A mbiont | 4.0 | 71.06 | Face Up | Pass |
| 1 | Ambient | 4.0 | 0.6 | Face Down | Pass |

Comment:

1. Test Criteria: The helmet shall not come off the test headform or excessively displace past the coronal plane.

RETENTION SYSTEM STRENGTH TEST

| HELMET ID | <u>Model</u> | Headform Size | Condition | Maximum Elongation (mm) | Residual Elongation (mm) | Pass/Fail |
|--------------|----------------------|------------------|-----------|-------------------------------|--------------------------|-----------|
| 2 | LT2323-MTB URBAN 2.0 | EN960 E | Hot | 21 | 10 | Pass |
| 3:50 | LT2323-MTB URBAN 2.0 | EN960 E | Cold | 18 | 9 الله | Pass |
| 4,00 | LT2323-MTB URBAN 2.0 | EN960 E | Wet | 1,907,111 | 9 | Pass |

Comment:

1. Test Criteria: The retention system shall remain intact without elongating more than 30 mm.

SYSTEM CHECK - IMPACT ATTENUATION

| SYSTEMS CHECK | TEST RECORD | HEADFORM POSITION | DROP (meters) | VEL. (m/s) | PEAK (g) |
|------------------|----------------|----------------------|------------------|------------|----------|
| | Pre 1 | Crown | 1.550 | 5.39 | 385 |
| PRETEST | Pre 2 | Crown | 1.550 | 5.35 | 383 |
| FILILOI | Pre 3 | Crown | 1.550 | 5.38 | 384 |
| PRETEST AVERAGE | | XXXX | XXXX | XXXX | 384 |
| | Post 1 | Crown | 1.550 | 5.36 | 385 . |
| POSTTEST | Post 2 | Crown | 1.550 | 5.39 | 384 |
| FOSTIEST | Post 3 | Crown | 1.550 | 5.34 | 383 |
| POSTTEST AVERAGE | | XXXX | XXXX | XXXX | 384 |

Contract File No.: 904.14204

Test File: 005

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

Technician: Terry Liu Test Date: 18 July 2023

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IMPACT TEST SUMMARY

| | 0// | , III , O _P | | | | | , , , , , |
|--------------|--------------------|------------------------|----------|-----------|---------------------|------------------|---------------|
| Helmet ID | Impact Site # | Impact Location | Anvil | Condition | Velocity (m/sec) | Peak Acc. (g) | Pass/ Fail |
| 69,69 | 701 1 | LF Side | Flat | Ambient | 4.57 | 193 | Pass |
| 113/14/06 | 2 | LF Side | Flat | Ambient | 4.65 | 242 | Pass |
| Post | 3 | LF Side | Flat | Ambient | 4.63 | 270 | Pass |
| 1 | 4 | Rear | Flat | Ambient | 4.64 | 187 | Pass |
| 1 | 5 | Rear | Flat | Ambient | 4.62 | 221 | Pass |
| 1 | 6 | Rear | Flat | Ambient | 4.59 | 243 | Pass |
| 1 | 7 | Front | Cylindri | Ambient | 4.60 | 127 | Pass |
| 1 | 8 | RT Side | Hazard | Ambient | 4.61 | 124 | Pass |
| 2 | 1 | LF Side | Flat | Hot | 4.62 | 164 | Pass |
| 2 | 2 | Rear | Flat | Hot | 4.62 | 178 | Pass |
| 2 | 3 | Front | Cylindri | Hot | 4.65 | 132 | Pass |
| 2 | 4 | RT Side | Hazard | Hot | 4.64 | 125 | Pass |
| 3 | 1 , | LF Side | Flat | Cold | 4.71 | 179 | Pass |
| 3 | 25/1 | Rear | Flat | Cold | 4.65 | 154 | Pass |
| 3 | Je 36, | Front | Cylindri | Cold | 4.64 | 127 | Pass |
| 3000 | 10 41 | RT Side | Hazard | Cold | 4.68 | 116 | Pass |
| Wis 47Cs | ,0 ¹⁰ 1 | LF Side | Flat | Wet | 4.67 | 179 | Pass |
| 201°40°01 | 2 | Rear | Flat | Wet | 4.63 | 151 | Pass |
| wit4 | 3 | Front | Cylindri | Wet | 4.66 | 132 | Pass |
| 4 | 4 | RT Side | Hazard | Wet | 4.70 | 132 | Pass |

Comment:

1. Impact Attenuation: The peak acceleration of any impact shall not exceed 300 g.

Contract File No.: 904.14204

Test File: 005

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

. erry .. 18 July . Technician: Terry Liu Test Date: 18 July 2023



EQUIPMENT LIST AND CALIBRATION SCHEDULES

| | | CEQUII IIIEI | EQUIPMENT LIST | LDOLLO | | ,,is ,ce |
|----------------|----------------------------|-----------------------|---|------------------|--------------------------|-----------------------|
| Asset Tag | Location | Description of part | Model Number | Serial Number | Verification Interval | Next Verification |
| H1001 | Helmet Room | Fixture | Yellow Tower - 1000 00 MIMAT | NA | NA | NA |
| H1002 | Helmet Room | Fixture | Green Tower - Series 2000 | NA | NA | NA NA |
| H1011 | Helmet Room | Instrument | Impact Machine System DX3000 - Green tower | NA | NA | NA |
| H1013 | Helmet Room | Instrument | CPSC/ASTM Dynamic Strength Charge Amplifier - ATA2001 (Backup) | J72863 | Yes | Daily |
| H1015 | Helmet Room | Fixture | CPSC/ASTM Positional Stability Fixture | NA X | Yes | 4/27/2024 |
| H1017 | Helmet Room | Fixture | DOT Retention System Machine - SB033 | NA NA | Yes | 4/27/2024 |
| H1034 | Helmet Room | Environmental chamber | Water Immersion Container | NA NA | NA | NA |
| H1043 | Helmet Room | Headform | ISO/EN960 A Partial Headform (Impact) | 4272 | Yes | 5/5/2024 |
| H1044 | Helmet Room | Headform | ISO/EN960 C Partial Headform (Impact) | 6938 | Yes | 5/5/2024 |
| H1045 | Helmet Room | Headform | ISO/EN960 E Partial Headform (Impact) | 4146 | Yes | 5/5/2024 |
| H1046 | Helmet Room | Headform | ISO/EN960 J Partial Headform (Impact) | 4148 | Yes | 5/5/2024 |
| H1047 | Helmet Room | Headform | ISO/EN960 M Partial Headform (Impact) | 4131 | Yes | 5/5/2024 |
| H1048 H1049 | Helmet Room Helmet Room | Headform Headform | ISO/EN960 O Partial Headform (Impact) DOT Small (Impact) | 4151 5178 | Yes Yes | 5/5/2024 5/5/2024 |
| H1050 | Helmet Room | Headform | DOT Small (Impact) DOT Medium (Impact) | 5179 | Yes | 5/5/2024 |
| H1050 | Helmet Room | Headform | DOT Large (Impact) | 5179 | Yes | 5/5/2024 |
| H1052 | Helmet Room | Drop Mass | CPSC/ASTM Spherical Impactor | NA | Yes | 5/5/2024 |
| H1054 | Helmet Room | Drop Mass | ASTM/SNELL Chin Bar Impactor | NA NA | Yes | 5/5/2024 |
| H1055 | Helmet Room | Anvil | CurbStone - CPSC/ASTM | NA NA | Yes | 5/5/2024 |
| H1056 | Helmet Room | Anvil | Cylindrical | NA NA | Yes | 5/5/2024 |
| H1059 | Helmet Room | Anvil | Triangular Hazard | NA | Yes | 5/5/2024 |
| H1060 | Helmet Room | Anvil | Hemispherical - Yellow tower | NA | Yes | 5/5/2024 |
| H1062 | Helmet Room | Anvil | Flat - Yellow tower | C240812-01 | Yes | 5/5/2024 |
| H1066 | Helmet Room | Fixture | Penetration Magnetic Carriage | NA | Yes | 6/25/2024 |
| H1091 | Helmet Room | Fixture | 40° Up Vision Angle Block | NA | Yes | 5/6/2024 |
| H1092 | Helmet Room | Clamp | Split Ring Clamp - 119g | NA | Yes | 5/6/2024 |
| H1093 | Helmet Room | Clamp | Split Ring Clamp - 210g | NA | Yes | 5/6/2024 |
| H1094 | Helmet Room | Clamp | Split Ring Clamp - 378g | NA | Yes | 5/6/2024 |
| H1095 | Helmet Room | Clamp | Split Ring Clamp - 451g | NA | Yes | 5/6/2024 |
| H1096 | Helmet Room | Clamp | Split Ring Clamp - 505g | NA | Yes | 5/6/2024 |
| H1097 | Helmet Room | Clamp | Split Ring Clamp - 597g | NA NA | Yes | 5/6/2024 |
| H1098 | Helmet Room | Clamp | Split Ring Clamp - 1158g Flat - Green tower | NA NA | Yes Yes | 5/6/2024 |
| H1099 H1100 | Helmet Room Helmet Room | Anvil Anvil | Hemispherical - Green tower | NA NA | Yes | 5/6/2024 5/6/2024 |
| H1101 | Helmet Room | Headform | DOT Small (Reference) | NA NA | Yes | 4/27/2024 |
| H1102 | Helmet Room | Headform | DOT Medium (Reference) | NA NA | Yes | 4/27/2024 |
| H1103 | Helmet Room | Headform | DOT Large (Reference) | NA NA | Yes | 4/27/2024 |
| H1105 | Helmet Room | Drop Mass | Aluminum Ball Stem - Green tower | NA NA | Yes | 5/6/2024 |
| H1106 | Helmet Room | Drop Mass | Steel Ball Stem | NA O | Yes | 5/6/2024 |
| H1107 | Helmet Room | Drop Mass | Magnesium Ball Stem | NA O | Yes | 5/6/2024 |
| H1123 | Helmet Room | Fixture | CPSC/ASTM Roll Off Headform Base Fastened Plate | CNA | NA | NA |
| H1126 | Helmet Room | Drop Mass | Complete Pistol Grip - Green tower | NA NA | Yes | 5/6/2024 |
| H1127 | Helmet Room | Headform | ISO/EN 960 C Full Headform (Reference) | 6947 | Yes | 4/27/2024 |
| H1128 | Helmet Room | Headform | DOT Small (Penetration) | NA | Yes | 4/27/2024 |
| H1129 | Helmet Room | Headform | DOT Medium (Penetration) | NA | Yes | 4/27/2024 |
| H1130 | Helmet Room | Headform | DOT Large (Penetration) | NA | Yes | 4/27/2024 |
| H1143 | Helmet Room | Fixture | DOT Brow Opening 1 Inch Block | NA | Yes | 4/28/2024 |
| H1146 | Helmet Room | Fixture | DOT Penetration Height Stick | NA | Yes | 6/25/2024 |
| H1149 | Helmet Room | Mass | Testing Area Preload Ballast | NA | Yes | 4/28/2024 |
| H1150 | Helmet Room | Drop Mass | 10kg Positional Stability Drop Mass | NA | Yes | 4/28/2024 |
| H1178 | Helmet Room | Drop Mass | Complete Pistol Grip - Yellow tower | NA | Yes | 5/6/2024 |
| H1179 | Helmet Room | Drop Mass | Aluminum Ball Stem - Yellow tower | NA | Yes | 5/6/2024 |
| H1189 | Helmet Room | Drop Mass | DOT Penetration Striker Tip | 070622-03 | Yes | 6/25/2024 |
| H1196 | Helmet Room | Fixture | DOT Retention Machine Static Load - SB033 (New) | NA NA | Yes | 4/28/2024 |
| H1197 | Helmet Room | Fixture | DOT Retention LVDT Calibration Block | NA | Yes | Pending 5/0/2024 |
| H1204 | Helmet Room | Drop Mass | Complete Pistol Grip - Yellow tower (Backup) | 120122-07 | Yes | 5/6/2024 |
| H1205 H1213 | Helmet Room | Drop Mass Fixture | Ball Stem - Yellow tower (Backup) | NA NA | Yes | 5/6/2024 4/28/2024 |
| H1213 | Helmet Room Helmet Room | Fixture | CPSC/ASTM Dynamic Retention Strength Fixture Penetration Tube | NA NA | Yes Yes | 6/25/2024 |
| H1230 | Helmet Room | Fixture | Penetration Headform Mount Holder | NA NA | NA | NA |
| 111230 | Lienner Koom | FIXIUIE | r chetiation neadionn would noide | INA | INA | INA |

Contract File No.: 904.14204

Test File: 005

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM 8 of 10



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| | CALIBRATED MEASUREMENT DEVICES | | | | | | | | | |
|--------------|--------------------------------|--|--------------------|---------------------|----------------------|-----------------------|-----------------------|--|--|--|
| Asset Tag | Description of part | Model Number | Measuring Range | Accuracy | Serial Number | Last Calibrated On | Calibration Due On | | | |
| H1003 | Instrument | Velocity Gate - Yellow tower | 0-8.5m/s | ±0.0001m/s | HVTG120120810-1 | 10/6/2022 | 10/5/2023 | | | |
| H1004 | Instrument | Velocity Gate - Green tower | 0-6.5m/s | ±0.0001m/s | HVTG120090331-1 | 1/26/2023 | 1/25/2024 | | | |
| H1006 | Instrument | Accelerometer PCB 353B18 - Yellow & Green tower | ±500g | ≤1% | 131607 | 1/26/2023 | 1/25/2024 | | | |
| H1007 | Instrument | Accelerometer PCB 353B18 - Green tower | ±500g | ≤1% | 86079 | 10/5/2022 | 10/4/2023 | | | |
| H1009 | Fixture | Digital Tape 16' - Yellow tower | 0-5.5m | ±0.1cm | 5027526 | 11/24/2022 | 11/23/2023 | | | |
| H1010 | Instrument | CCS PC4300 - Green tower | ±500g | ≤1% | CCS120090331-1 | 1/26/2023 | 1/25/2024 | | | |
| H1012 | Instrument | CPSC/ASTM Dynamic Strength LVDT - C20101007753 (Backup) | 0-50mm | ±0.1mm | C20101007753 | 11/22/2022 | 11/21/2023 | | | |
| H1014 | Instrument | DOT Retention System LVDT - LWE-200 | 0-100mm | ±0.1mm | 2002572 | 11/22/2022 | 11/21/2023 | | | |
| H1025 | Fixture | Electronic Scale - BT-6 | 0-6kg | ±0.1g | 12230126 | 6/26/2023 | 6/25/2024 | | | |
| H1026 | Fixture | Laser Table - SB005 | 0-450mm, 0-20° | ±1mm, ±1° | TLTV2KB-20090403-1 | 11/22/2022 | 11/21/2023 | | | |
| H1030 | Conditioning | Oven #1 - 92*9240MBE | 0-200°C | ±0.1°C | 8285 | 6/26/2023 | 6/25/2024 | | | |
| H1031 | Conditioning | Oven #2 - DHG-9426 | 0-200°C | ±0.1°C | 1503338018 | 11/22/2022 | 11/21/2023 | | | |
| H1032 | Conditioning | Freezer #1 - DW-25W300 | -30~-10°C | ±0.1°C | BE062100N00B29578VMO | 6/26/2023 | 6/25/2024 | | | |
| H1033 | Environmental chamber | Freezer #2 - DW-50W225 | -30~-10°C | ±0.1°C | F8LMJ | 11/22/2022 | 11/21/2023 | | | |
| H1036 | Fixture | Hygrothermograph #1 - TH-602F | -30~60°C, 0-100% | ±1°C | 3238 | 6/28/2023 | 6/27/2024 | | | |
| H1057 | Anvil | Edge | NA | NA | NA | 10/27/2020 | 10/26/2023 | | | |
| H1058 | Anvil | Equestrian Hazard | NA | NA | NA | 10/27/2020 | 10/26/2023 | | | |
| H1061 | Anvil | Skate Blade | NA | NA | NA | 10/27/2020 | 10/26/2023 | | | |
| H1063 | Fixture | Digital tape - 5m | 0-5m | ±0.1mm | 78223 | 11/24/2022 | 11/23/2023 | | | |
| H1064 | Instrument | CCS PC4400 - Yellow tower | ±500g | ≤1% | CCS120120810-1 | 1/26/2023 | 1/25/2024 | | | |
| H1070 | Instrument | DOT Retention System Load Cell - 9363-B10-300-20T1 | 0-300lb | ±0.1kg | 80310843 | 6/26/2023 | 6/25/2024 | | | |
| H1072 | Fixture | Hygrothermograph #4 - TH600B | -20~100°C, 0-100% | ±1°C | Q/MDS001-2017-2 | 6/27/2023 | 6/26/2024 | | | |
| H1073 | Fixture | Height Gauge | 0-500mm | ±0.01mm | 8811213838273610 | 11/22/2022 | 11/21/2023 | | | |
| H1074 | Fixture | Digital Vernier Caliper - SJ-455615 | 0-150mm | ±0.01mm | 455615 | 11/22/2022 | 11/21/2023 | | | |
| H1075 | Fixture | Digital Level - SPI TRONIC Pro 360 | 0-360° | ±0.1° | 31-038-3 | 11/24/2022 | 11/23/2023 | | | |
| H1076 | Instrument | Calorifier - CN-111 | 18-35°C | ±0.1°C | NA | 11/25/2022 | 11/24/2023 | | | |
| H1077 | Fixture | ACT Tape | 0-1.5m | ±1mm | NA | 11/24/2022 | 11/23/2023 | | | |
| H1117 | Fixture | Helmet Internal Circumference Measure Tool | 49-62cm | ±1mm | O X NA | 11/24/2022 | 11/23/2023 | | | |
| H1172 | Fixture | Height Measurement Rod #6 | 600±5mm | ±1mm | 032216-02 | 6/24/2022 | 6/23/2025 | | | |
| H1174 | Anvil | MEP Pad | NA | NA CO | 021921-01 | 2022 yearly report | 2023 yearly report | | | |
| H1180 | Instrument | CPSC/ASTM LVDT & Sensor Box | 2 Inch | ±0.1mm | 04140748-001 | 11/22/2022 | 11/21/2023 | | | |
| H1184 | Instrument | Accelerometer PCB 353B18 - Yellow tower | ±500g | 9 ≤1% | LW226664 | 10/5/2022 | 10/4/2023 | | | |
| H1190 | Environmental chamber | Oven - KH-120A | 5-250°C | ±0.1°C | 2201-020 | 11/22/2022 | 11/21/2023 | | | |
| H1193 | Fixture | I-square | 150*100mm | ±1mm | SJT-43008 | 11/24/2022 | 11/23/2023 | | | |
| H1194 | Fixture | Triangular Ruler | 190mm | ±1mm | SJT-43111 | 11/25/2022 | 11/24/2023 | | | |
| H1198 | Instrument | LVDT Volfa LWE-200 (Head) - DOT Retention | 0-150mm | ±1mm | NA | 3/10/2023 | 3/9/2024 | | | |
| H1199 | Instrument | LVDT Volfa LWE-200 - DOT Retention Machine | 0-150mm | ±1mm | NA | 3/10/2023 | 3/9/2024 | | | |
| H1200 | Instrument | VPG load cell - 9363-B10-500-20T1 - DOT Retention Machine | 0-500lb | ±0.1kg | 90139705 | 3/10/2023 | 3/9/2024 | | | |
| H1210 | Fixture | Peripheral Vision | 105° Both sides | 105° | NA | 4/27/2023 | 4/26/2026 | | | |
| H1214 | Instrument | DOT Retention System LVDT (Head) - LWE-200 | 0-50mm | ±0.1mm | 27008-10 | 4/28/2023 | 4/27/2024 | | | |
| H1216 | Fixture | Digital Vernier Caliper - GLA13S | 0-300mm | ±0.03mm; ±0.04mm | K23D014332 | 5/17/2023 | 5/16/2024 | | | |
| • | . = | | | | | | | | | |

Contract File No.: 904.14204

Test File: 005

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM



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 2. The report is not valid if altered.
- 3. Claims have to be made within 15 days after receipt of this report.
- The results of this test report relate only to the items tested.
- The results apply to the samples as received.

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- For reports that contain results from external test service providers: Results from external test service providers are supplied by the customer and can affect validity of results.
- 7. The results of this test report apply ASTM E29:2022 Rounding Method, unless otherwise requested or noted within the report.
- Decision rule applied according to "ILAC-G8:09/2019 Guidelines on the Reporting of Compliance with Specification".

END OF REPORT

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Contract File No.: 904.14204
Test File: 005
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rebiognice desc SAFETY COMPLIANCE TESTING FOR ASTM F-1492-22 HELMETS USED IN SKATEBOARDING AND TRICK ROLLER SKATING Lebrodnced exception Nitten approval from Ac

Brand : LEATT

Model : LT2323-MTB URBAN 2.0

Tested Size : S (51-55 cm) Stock / Model Number

Country of Origin Age Grading Children's Product

repared For:

Leatt Corporation

12 Kiepersol Crescent
Gardens Busine
pe Farms Atlas Gardens Business Park, Cape Farms, Cape Town, 7550, ZA



Issue Date: 19 July 2023

Final Report: 904.14204.009

Tested By:

Taicang ACT Sporting Goods Testing Co., Ltd. No. 35 Zhenghe Road. Ludu Town, Taicang City, Suzhou, Jiangsu Province, China 215412 www.act-lab.com

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Contract File No.: 904.14204

Test File: 009

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

Technician: Terry Liu 18 Ain with Test Date: 18 July 2023



HELMET DATA

| ACT Lab LLC 3280 East 59th Street, Long Beach, CA 90805 Tel 562.470.7215 Web act-lab.com | Chiuek |
|--|-------------|
| HELMET DATA | odnced blog |
| HELMET BRAND NAME: LEATT | 750 04 |
| HELMET MODEL DESIGNATION: LT2323-MTB URBAN 2.0 | _ |
| HELMET MANUFACTURER: DONGDUAN YIYANG SPORTS Co., Ltd. | <u> </u> |
| HELMET SIZE: S (51-55 cm) | <u> </u> |
| DATE OF MANUFACTURE: 03/23 | _ |
| AGE GRADING: 5 and older | _ |
| EPS COLOR: Black | |
| BUCKLE TYPE: Nx/A | _ |
| LOT NUMBER: TBD | |
| PURCHASE ORDER #: 217667 | |
| HELMET COVERAGE: Partial X Full: Complete: | - Im |
| TEST HEADFORM SIZE: EN960 J | -690cg6 |
| HELMET POSITIONING INDEX: 18 mm | UIS YUCOPY |

| Helmet Number: | Weight (g): | Helmet Number: | Weight (g): | |
|----------------|-------------|----------------|-------------|--|
| 1.Ambient | 437 | 3.Cold | 437 | |
| 2.Hot | 436 | 4. Wet | 439 | |

| Conditioning Temperatures | | | | | |
|---------------------------|-------|--|--|--|--|
| Lab Humidity: | 59% | | | | |
| Ambient: | 23°C | | | | |
| Hot: | 50°C | | | | |
| Cold: | -15°C | | | | |
| Wet: | 23°C | | | | |

Contract File No.: 904.14204

Test File: 009

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

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This docum Technician: Terry Liu Test Date: 18 July 2023 ont shall not without Lob LLC

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TEST SUMMARY

| | TEST SUMMARY | |
|---------------|----------------------------|-----------|
| or's | Test Requirements | Pass/Fail |
| CUMP. | Peripheral Vision | Pass |
| is doed en | Projections | Pass |
| Illi 910 966 | Positional Stability | Pass |
| This document | Dynamic Strength Retention | Pass |
| N | Impact Attenuation | Pass |
| | Labels and Warnings | Pass |

Reviewed by: John Bogler

Tested By: Terry Liu

Comments:

- reproducede All helmets were received in undamaged condition and were appropriate for testing.
 The accompanying helmet labels were submitted independently from the test samples and thus could not be checked for any characteristics except for the containing information.
 These helmets appear to be constructed of materials that are not invitation or disease.
 Weights listed of 3. These helmets appear to be constructed of materials that are not known to cause skin irritation or disease.

 4. Weights listed above for helmets 1.1
- Triese tielmets appear to be constructed of materials that are not known to cause irritation or disease.
 Weights listed above for helmets 1-4 are as tested, with no attachments included.
 This helmet met all requirements for ASTM F1492. nents inc nents inc nents inc shall not with the standard of t

Contract File No.: 904.14204

Test File: 009

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

Technician: Terry Liu J. P. FIJI WITHOL Test Date: 18 July 2023 . p. . chdll not West Top IIC



LABELING

| | LABELING | Present on |
|---------|---|-----------------------------------|
| ection | Labeling - Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user: | Present on Helmet? Yes / No |
| F14 | 146: Standard Test Methods for Equipment and Procedures Used in Evaluating the Perfor Characteristics of Protective Headgear | rmance |
| 12.4 | Each helmet shall contain labels with at least the following information, using terms and symbols commonly known and easily visible to users. The label(s) should be likely to remain on the helmet and legible throughout the intended design life of the helmet. | Yes |
| 12.4.1 | The number of the standard specification which the manufacturer certifies that it meets, including the two-digit version year appended to the number. | Yes |
| 12.4.2 | Model designation | Yes |
| 12.4.3 | Name of manufacturer | Yes |
| 12.4.4 | Month and year of manufacture | Yes |
| 12.4.5 | A label that warns the user that no helmet can protect against all possible impacts and that for maximum protection the helmet must be fitted and attached properly to the wearer's head in accordance with the manufacturer's fitting instructions. | Yes |
| 12.4.6 | A label that warns the user that the helmet may, after receiving an impact, be damaged to the point that it is no longer adequate to protect the head against further impacts, and that this damage may not be visible to the user. This label should also state that a helmet that has sustained an impact should be returned to the manufacturer for competent inspection or be destroyed and replaced. | Yes Yes |
| 12.4.7 | A label that warns the user that the helmet can be damaged by contact with common substances (for example, certain solvents, cleaners, hair tonics, etc.) and that this damage may or may not be visible to the user. This label should also list any recommended cleaning agents or procedures, or both. | Yes |
| 12.4.8 | Any other warnings, cautions, or instructions specified in the individual standard specification. | Yes |
| 12.4.9 | Each helmet shall have accompanying fitting and positioning instructions including graphic representation of proper positioning. | Yes |
| Section | Labeling - Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user: | Present on Helmet? Yes / No |
| 1492-22 | Standard Test Methods for Equipment and Procedures Used in Skateboarding and Trick F | |
| 4.2 | Shall have the words "For skateboarding or trick roller skating". | Yes 🗥 |
| | | |

Contract File No.: 904.14204

Test File: 009

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Technician: Terry Liu Test Date: 18 July 2023

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904.14204.009 - LT2323-MTB URBAN 2.0







LOT: **** MARCH 2023 PO# ******

WARRINGS

WARRINGS

THIS HEIMER IS FOR PEDAL CYCLISTS, SKATEBOARDERS OR ROLLER SKATERS. NO HELMER CAN PROTECT THE USER AGAINST ALL PORSEGABLE IMPACTS. SERIOUS DIVINUY OR DEATH HAW OCCUR. FOR MADDIUM PROTECTION, HEIMER MUST BE ROUND FOR THE WARRINGS OF TH

CE CASQUE EST CONÇU POUR LES SPORTS CYCLISTES, LE PATIN OU LA PINACHE À ROULETTES. AUCUN CASQUE NE PEUT PROTÉGER CONTRE TOUS LES ACCIDENTS, DE RESSURES GRAVES OU LA MORT PRUVENT SURVENIR, POUR DE PROTECTION OFFINALE, LE CASQUE DOIL TÈRE ATTACHÉ ET AUSTIS SIGON LES INSTRUCTIONS DOINS DANS LE GUIDE OU FORT PAUTE AUTORISME DANS LE GUIDE OU FORT PAUTE ACCIDITÉ, AUX CHI CASQUE SUR L'AUX NE ROCIL D'ÉTRANGLEMENT SI L'INVAINT REITE COINCÉ AUX CLE GAQUE, SI LE CASQUE SUBIT UN IMPACT, LE RETOURNER AU DÉTALLANT DOIL INSTRUCTION, OL LE DÉTRUIR ET LE REMPACRE LES DOMMAGES PEUV INTÉTRE INMISIBLE. CE CASQUE SIT FAIRIQUE AVEC DU POUVSTYRÉNE DEPANS LE FUEL TIER MINSIBLE. CE CASQUE SIT FAIRIQUE AVEC DU POUVSTYRÉNE DEPANS LE FUEL TIER SERRICISMENT SUR DOMMAGE PAR CERTAINES SUSTEMACE COMMUNE COMME : LES SERRICISMENT ENDOMMAGE PAR CERTAINES SUSTEMACE COMMUNE COMME : LES DOMMAGES PAUT D'AUX D'AUX

904.14204.009 - Labels

Contract File No.: 904.14204

Test File: 009

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Written app Technician: Terry Liu 18 July WithOl . Dat Test Date: 18 July 2023 with Top IIC



SUMMARY REPORT

| HELMET ID | Condition | Brand Name | <u>Model</u> | <u>Date of</u> <u>Manufacture</u> | Helmet Size | Headform Size |
|--------------|-----------|---------------|----------------------|--------------------------------------|--------------|------------------|
| 1 | Ambient | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | S (51-55 cm) | EN960 J |
| 25 | Hot | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | S (51-55 cm) | EN960 J |
| 3,000 | Cold | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | S (51-55 cm) | EN960 J |
| (04,10) | Wet | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | S (51-55 cm) | EN960 J |

POSITIONAL STABILITY (ROLL OFF) TEST

| HELMET ID | Condition | Drop Mass (kg) | Drop Height (m) | REQUIREMENT | TEST RESULTS |
|-----------|-----------|-------------------|-----------------|-------------|--------------|
| 4 | Ambient | 4.0 | 711.06 | Face Up | Pass |
| | | | 0.6 | Face Down | Pass |

Comment:

1. Test Criteria: The helmet shall not come off the test headform or excessively displace past the coronal plane.

RETENTION SYSTEM STRENGTH TEST

| HELMET ID | <u>Model</u> | Headform Size | Condition | Maximum Elongation (mm) | Residual Elongation (mm) | <u>Pass/Fail</u> |
|--------------|----------------------|------------------|-----------|-------------------------------|--------------------------|------------------|
| 2 | LT2323-MTB URBAN 2.0 | EN960 J | Hot | 20 | 10 | Pass |
| 3.50 | LT2323-MTB URBAN 2.0 | EN960 J | Cold | 19 | 9 الله | Pass |
| 4,00 | LT2323-MTB URBAN 2.0 | EN960 J | Wet | 20° 1111 | 9 | Pass |

Comment:

1. Test Criteria: The retention system shall remain intact without elongating more than 30 mm.

SYSTEM CHECK - IMPACT ATTENUATION

| SYSTEMS CHECK | SYSTEMS CHECK RECORD | | DROP (meters) | VEL. (m/s) | PEAK (g) |
|------------------|----------------------|-------|------------------|------------|----------|
| | Pre 1 | Crown | 1.550 | 5.39 | 385 |
| PRETEST | Pre 2 | Crown | 1.550 | 5.35 | 383 |
| TRETEST | Pre 3 | Crown | 1.550 | 5.38 | 384 |
| PRETEST AVERAGE | | XXXX | XXXX | XXXX | 384 |
| | Post 1 | Crown | 1.550 | 5.36 | 385 |
| POSTTEST | Post 2 | Crown | 1.550 | 5.39 | 384 |
| FOSTIEST | Post 3 | Crown | 1.550 | 5.34 | 383 |
| POSTTEST AVERAGE | | XXXX | XXXX | XXXX | 384 |

Contract File No.: 904.14204

Test File: 009

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM



IMPACT TEST SUMMARY

| | | | W. | | | | | |
|---|--------------------|--------------------|-----------------------------|------------------------|----------------------------|-------------------------|---------------|-------|
| A | CT | ACTLal | b LLC 3280 East 59th | Street, Long Beach, CA | 90805 Tel 562.470.7 | 7215 Web act-lab | o.com | cumer |
| ACT Lab LLC 3280 East 59th Street, Long Beach, CA 90805 Tel 562.470.7215 Web act-lab.com IMPACT TEST SUMMARY | | | | | | | | |
| Helmet ID | Impact Site # | Impact Location | Anvil | Condition | Velocity (m/sec) | Peak Acc. (g) | Pass/ Fail | |
| 6996 | 0101 | LF Side | Flat | Ambient | 4.69 | 222 | Pass | |
| 113/10/06 | 2 | LF Side | Flat | Ambient | 4.62 | 255 | Pass | |
| 1000 | 3 | LF Side | Flat | Ambient | 4.68 | 277 | Pass | |
| 1 | 4 | Rear | Flat | Ambient | 4.62 | 178 | Pass | |
| 1 | 5 | Rear | Flat | Ambient | 4.62 | 216 | Pass | |
| 1 | 6 | Rear | Flat | Ambient | 4.61 | 243 | Pass | |
| 1 | 7 | Front | Cylindri | Ambient | 4.68 | 212 | Pass | |
| 1 | 8 | RT Side | Hazard | Ambient | 4.61 | 115 | Pass | P |
| 2 | 1 | LF Side | Flat | Hot | 4.63 | 178 | Pass | |
| 2 | 2 | Rear | Flat | Hot | 4.61 | 167 | Pass | - JI |
| 2 | 3 | Front | Cylindri | Hot | 4.70 | 121 | Pass | 90cn |
| 2 | 4 | RT Side | Hazard | Hot | 4.62 | 117 | Pass | GL OB |
| 3 | 1 🐧 | LF Side | Flat | Cold | 4.63 | 189 | Pass | 61,04 |
| 3 | 25/1 | Rear | Flat | Cold | 4.61 | 177 | Pass | |
| 3 | 18 3 PL | Front | Cylindri | Cold | 4.69 | 133 | Pass | |
| 3000 | 0 4 4 1 11 1 | RT Side | Hazard | Cold | 4.66 | 107 | Pass | |
| (his 4)cs | ,0 ¹ 01 | LF Side | Flat | Wet | 4.63 | 178 | Pass | |
| 20104n ON | 2 | Rear | Flat | Wet | 4.63 | 175 | Pass | |
| will4 | 3 | Front | Cylindri | Wet | 4.70 | 124 | Pass | |
| 4 | 4 | RT Side | Hazard | Wet | 4.62 | 120 | Pass | |
| | | | | | - | | | 4 |

Comment:

1. Impact Attenuation: The peak acceleration of any impact shall not exceed 300 g.

Contract File No.: 904.14204

Test File: 009

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erry . 18 July . Technician: Terry Liu Test Date: 18 July 2023



EQUIPMENT LIST AND CALIBRATION SCHEDULES

| | EQUIPMENT LIST | | | | | | | | |
|----------------|----------------------------|-----------------------|---|------------------|--------------------------|------------------------|--|--|--|
| Asset Tag | Location | Description of part | Model Number | Serial Number | Verification Interval | Next Verification | | | |
| H1001 | Helmet Room | Fixture | Yellow Tower - 1000_00_MIMAT | NA | NA | NA | | | |
| H1002 | Helmet Room | Fixture | Green Tower - Series 2000 | NA | NA | NA NA | | | |
| H1011 | Helmet Room | Instrument | Impact Machine System DX3000 - Green tower | NA | NA | NA | | | |
| H1013 | Helmet Room | Instrument | CPSC/ASTM Dynamic Strength Charge Amplifier - ATA2001 (Backup) | J72863 | Yes | Daily | | | |
| H1015 | Helmet Room | Fixture | CPSC/ASTM Positional Stability Fixture | NA X | Yes | 4/27/2024 | | | |
| H1017 | Helmet Room | Fixture | DOT Retention System Machine - SB033 | NA ONA | Yes | 4/27/2024 | | | |
| H1034 | Helmet Room | Environmental chamber | Water Immersion Container | NA NA | NA | NA | | | |
| H1043 | Helmet Room | Headform | ISO/EN960 A Partial Headform (Impact) | 4272 | Yes | 5/5/2024 | | | |
| H1044 | Helmet Room | Headform | ISO/EN960 C Partial Headform (Impact) | 6938 | Yes | 5/5/2024 | | | |
| H1045 | Helmet Room | Headform | ISO/EN960 E Partial Headform (Impact) | 4146 4148 | Yes Yes | 5/5/2024 5/5/2024 | | | |
| H1046 H1047 | Helmet Room Helmet Room | Headform Headform | ISO/EN960 J Partial Headform (Impact) ISO/EN960 M Partial Headform (Impact) | 4131 | Yes | 5/5/2024 | | | |
| H1047 | Helmet Room | Headform | ISO/EN960 O Partial Headform (Impact) | 4151 | Yes | 5/5/2024 | | | |
| H1048 | Helmet Room | Headform | DOT Small (Impact) | 5178 | Yes | 5/5/2024 | | | |
| H1050 | Helmet Room | Headform | DOT Medium (Impact) | 5179 | Yes | 5/5/2024 | | | |
| H1050 | Helmet Room | Headform | DOT Large (Impact) | 5179 | Yes | 5/5/2024 | | | |
| H1052 | Helmet Room | Drop Mass | CPSC/ASTM Spherical Impactor | NA | Yes | 5/5/2024 | | | |
| H1054 | Helmet Room | Drop Mass | ASTM/SNELL Chin Bar Impactor | NA NA | Yes | 5/5/2024 | | | |
| H1055 | Helmet Room | Anvil | CurbStone - CPSC/ASTM | NA NA | Yes | 5/5/2024 | | | |
| H1056 | Helmet Room | Anvil | Cylindrical | NA | Yes | 5/5/2024 | | | |
| H1059 | Helmet Room | Anvil | Triangular Hazard | NA | Yes | 5/5/2024 | | | |
| H1060 | Helmet Room | Anvil | Hemispherical - Yellow tower | NA | Yes | 5/5/2024 | | | |
| H1062 | Helmet Room | Anvil | Flat - Yellow tower | C240812-01 | Yes | 5/5/2024 | | | |
| H1066 | Helmet Room | Fixture | Penetration Magnetic Carriage | NA | Yes | 6/25/2024 | | | |
| H1091 | Helmet Room | Fixture | 40° Up Vision Angle Block | NA | Yes | 5/6/2024 | | | |
| H1092 | Helmet Room | Clamp | Split Ring Clamp - 119g | NA | Yes | 5/6/2024 | | | |
| H1093 | Helmet Room | Clamp | Split Ring Clamp - 210g | NA | Yes | 5/6/2024 | | | |
| H1094 | Helmet Room | Clamp | Split Ring Clamp - 378g | NA | Yes | 5/6/2024 | | | |
| H1095 | Helmet Room | Clamp | Split Ring Clamp - 451g | NA | Yes | 5/6/2024 | | | |
| H1096 | Helmet Room | Clamp | Split Ring Clamp - 505g | NA | Yes | 5/6/2024 | | | |
| H1097 | Helmet Room | Clamp | Split Ring Clamp - 597g | NA NA | Yes | 5/6/2024 | | | |
| H1098 | Helmet Room | Clamp | Split Ring Clamp - 1158g Flat - Green tower | NA NA | Yes Yes | 5/6/2024 | | | |
| H1099 H1100 | Helmet Room Helmet Room | Anvil Anvil | Hemispherical - Green tower | NA NA | Yes | 5/6/2024 5/6/2024 | | | |
| H1101 | Helmet Room | Headform | DOT Small (Reference) | NA NA | Yes | 4/27/2024 | | | |
| H1102 | Helmet Room | Headform | DOT Smail (Reference) | NA NA | Yes | 4/27/2024 | | | |
| H1103 | Helmet Room | Headform | DOT Large (Reference) | NA NA | Yes | 4/27/2024 | | | |
| H1105 | Helmet Room | Drop Mass | Aluminum Ball Stem - Green tower | NA NA | Yes | 5/6/2024 | | | |
| H1106 | Helmet Room | Drop Mass | Steel Ball Stem | NA O | Yes | 5/6/2024 | | | |
| H1107 | Helmet Room | Drop Mass | Magnesium Ball Stem | NA O | Yes | 5/6/2024 | | | |
| H1123 | Helmet Room | Fixture | CPSC/ASTM Roll Off Headform Base Fastened Plate | CNA | NA | NA | | | |
| H1126 | Helmet Room | Drop Mass | Complete Pistol Grip - Green tower | NA NA | Yes | 5/6/2024 | | | |
| H1127 | Helmet Room | Headform | ISO/EN 960 C Full Headform (Reference) | 6947 | Yes | 4/27/2024 | | | |
| H1128 | Helmet Room | Headform | DOT Small (Penetration) | NA | Yes | 4/27/2024 | | | |
| H1129 | Helmet Room | Headform | DOT Medium (Penetration) | NA | Yes | 4/27/2024 | | | |
| H1130 | Helmet Room | Headform | DOT Large (Penetration) | NA | Yes | 4/27/2024 | | | |
| H1143 | Helmet Room | Fixture | DOT Brow Opening 1 Inch Block | NA | Yes | 4/28/2024 | | | |
| H1146 | Helmet Room | Fixture | DOT Penetration Height Stick | NA | Yes | 6/25/2024 | | | |
| H1149 | Helmet Room | Mass | Testing Area Preload Ballast | NA | Yes | 4/28/2024 | | | |
| H1150 | Helmet Room | Drop Mass | 10kg Positional Stability Drop Mass | NA | Yes | 4/28/2024 | | | |
| H1178 | Helmet Room | Drop Mass | Complete Pistol Grip - Yellow tower | NA | Yes | 5/6/2024 | | | |
| H1179 | Helmet Room | Drop Mass | Aluminum Ball Stem - Yellow tower | NA | Yes | 5/6/2024 | | | |
| H1189 | Helmet Room | Drop Mass | DOT Penetration Striker Tip | 070622-03 | Yes | 6/25/2024 | | | |
| H1196 | Helmet Room | Fixture | DOT Retention Machine Static Load - SB033 (New) | NA NA | Yes | 4/28/2024 | | | |
| H1197 | Helmet Room | Fixture | DOT Retention LVDT Calibration Block | NA | Yes | Pending | | | |
| H1204 | Helmet Room | Drop Mass | Complete Pistol Grip - Yellow tower (Backup) | 120122-07 | Yes | 5/6/2024 | | | |
| H1205 | Helmet Room | Drop Mass | Ball Stem - Yellow tower (Backup) | NA NA | Yes | 5/6/2024 | | | |
| H1213 H1229 | Helmet Room | Fixture | CPSC/ASTM Dynamic Retention Strength Fixture Penetration Tube | NA NA | Yes Yes | 4/28/2024 6/25/2024 | | | |
| H1229 | Helmet Room Helmet Room | Fixture | Penetration Headform Mount Holder | NA NA | | | | | |
| 111230 | Heimet Koom | Fixture | renetiation neadionn would noide | INA | NA | NA | | | |

Contract File No.: 904.14204

Test File: 009

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| | CALIBRATED MEASUREMENT DEVICES | | | | | | | | | |
|-----------|--------------------------------|--|--------------------|----------------------|----------------------|-----------------------|-----------------------|--|--|--|
| Asset Tag | Description of part | Model Number | Measuring Range | Accuracy | Serial Number | Last Calibrated On | Calibration Due On | | | |
| H1003 | Instrument | Velocity Gate - Yellow tower | 0-8.5m/s | ±0.0001m/s | HVTG120120810-1 | 10/6/2022 | 10/5/2023 | | | |
| H1004 | Instrument | Velocity Gate - Green tower | 0-6.5m/s | ±0.0001m/s | HVTG120090331-1 | 1/26/2023 | 1/25/2024 | | | |
| H1006 | Instrument | Accelerometer PCB 353B18 - Yellow & Green tower | ±500g | ≤1% | 131607 | 1/26/2023 | 1/25/2024 | | | |
| H1007 | Instrument | Accelerometer PCB 353B18 - Green tower | ±500g | ×≤1% | 86079 | 10/5/2022 | 10/4/2023 | | | |
| H1009 | Fixture | Digital Tape 16' - Yellow tower | 0-5.5m | ±0.1cm | 5027526 | 11/24/2022 | 11/23/2023 | | | |
| H1010 | Instrument | CCS PC4300 - Green tower | ±500a | C ≤1% | CCS120090331-1 | 1/26/2023 | 1/25/2024 | | | |
| H1012 | Instrument | CPSC/ASTM Dynamic Strength LVDT - C20101007753 (Backup) | 0-50mm | ±0.1mm | C20101007753 | 11/22/2022 | 11/21/2023 | | | |
| H1014 | Instrument | DOT Retention System LVDT - LWE-200 | 0-100mm | ±0.1mm | 2002572 | 11/22/2022 | 11/21/2023 | | | |
| H1025 | Fixture | Electronic Scale - BT-6 | 0-6kg | ±0.1g | 12230126 | 6/26/2023 | 6/25/2024 | | | |
| H1026 | Fixture | Laser Table - SB005 | 0-450mm, 0-20° | ±1mm, ±1° | TLTV2KB-20090403-1 | 11/22/2022 | 11/21/2023 | | | |
| H1030 | Conditioning | Oven #1 - 92*9240MBE | 0-200°C | ±0.1°C | 8285 | 6/26/2023 | 6/25/2024 | | | |
| H1031 | Conditioning | Oven #2 - DHG-9426 | 0-200°C | ±0.1°C | 1503338018 | 11/22/2022 | 11/21/2023 | | | |
| H1032 | Conditioning | Freezer #1 - DW-25W300 | -30~-10°C | ±0.1°C | BE062100N00B29578VMO | 6/26/2023 | 6/25/2024 | | | |
| H1033 | Environmental chamber | Freezer #2 - DW-50W225 | -30~-10°C | ±0.1°C | F8LMJ | 11/22/2022 | 11/21/2023 | | | |
| H1036 | Fixture | Hygrothermograph #1 - TH-602F | -30~60°C, 0-100% | ±1°C | 3238 | 6/28/2023 | 6/27/2024 | | | |
| H1057 | Anvil | Edge | NA | NA NA | NA NA | 10/27/2020 | 10/26/2023 | | | |
| H1058 | Anvil | Equestrian Hazard | NA NA | NA NA | NA NA | 10/27/2020 | 10/26/2023 | | | |
| H1061 | Anvil | Skate Blade | NA NA | NA NA | NA NA | 10/27/2020 | 10/26/2023 | | | |
| H1063 | Fixture | Digital tape - 5m | 0-5m | ±0.1mm | 78223 | 11/24/2022 | 11/23/2023 | | | |
| H1064 | Instrument | CCS PC4400 - Yellow tower | ±500g | ≤1% | CCS120120810-1 | 1/26/2023 | 1/25/2024 | | | |
| H1070 | Instrument | DOT Retention System Load Cell - 9363-B10-300-20T1 | 0-300lb | ±0.1kg | 80310843 | 6/26/2023 | 6/25/2024 | | | |
| H1072 | Fixture | Hygrothermograph #4 - TH600B | -20~100°C, 0-100% | ±0.1kg ±1°C | Q/MDS001-2017-2 | 6/27/2023 | 6/26/2024 | | | |
| H1073 | Fixture | Height Gauge | 0-500mm | ±0.01mm | 8811213838273610 | 11/22/2022 | 11/21/2023 | | | |
| H1073 | Fixture | Digital Vernier Caliper - SJ-455615 | 0-500mm | ±0.01mm | 455615 | 11/22/2022 | 11/21/2023 | | | |
| H1074 | Fixture | Digital Level - SPI TRONIC Pro 360 | 0-360° | ±0.01111111 ±0.1° | 31-038-3 | 11/24/2022 | 11/23/2023 | | | |
| H1075 | | | | | 31-036-3 NA | 11/25/2022 | 11/23/2023 | | | |
| | Instrument | Calorifier - CN-111 ACT Tape | 18-35°C | ±0.1°C | | | | | | |
| H1077 | Fixture | | 0-1.5m | ±1mm | NA NA | 11/24/2022 | 11/23/2023 | | | |
| H1117 | Fixture | Helmet Internal Circumference Measure Tool | 49-62cm | ±1mm | NA NA | 11/24/2022 | 11/23/2023 | | | |
| H1172 | Fixture | Height Measurement Rod #6 | 600±5mm | ±1mm | 032216-02 | 6/24/2022 | 6/23/2025 | | | |
| H1174 | Anvil | MEP Pad | NA | NA C | 021921-01 | 2022 yearly report | 2023 yearly report | | | |
| H1180 | Instrument | CPSC/ASTM LVDT & Sensor Box | 2 Inch | ±0.1mm | 04140748-001 | 11/22/2022 | 11/21/2023 | | | |
| H1184 | Instrument | Accelerometer PCB 353B18 - Yellow tower | ±500g | S ≤1% | LW226664 | 10/5/2022 | 10/4/2023 | | | |
| H1190 | Environmental chamber | Oven - KH-120A | 5-250°C | ±0.1°C | 2201-020 | 11/22/2022 | 11/21/2023 | | | |
| H1193 | Fixture | l-square | 150*100mm | ±1mm | SJT-43008 | 11/24/2022 | 11/23/2023 | | | |
| H1194 | Fixture | Triangular Ruler | 190mm | ±1mm | SJT-43111 | 11/25/2022 | 11/24/2023 | | | |
| H1198 | Instrument | LVDT Volfa LWE-200 (Head) - DOT Retention | 0-150mm | ±1mm | NA | 3/10/2023 | 3/9/2024 | | | |
| H1199 | Instrument | LVDT Volfa LWE-200 - DOT Retention Machine | 0-150mm | ±1mm | NA | 3/10/2023 | 3/9/2024 | | | |
| H1200 | Instrument | VPG load cell - 9363-B10-500-20T1 - DOT Retention Machine | 0-500lb | ±0.1kg | 90139705 | 3/10/2023 | 3/9/2024 | | | |
| H1210 | Fixture | Peripheral Vision | 105° Both sides | 105° | NA | 4/27/2023 | 4/26/2026 | | | |
| H1214 | Instrument | DOT Retention System LVDT (Head) - LWE-200 | 0-50mm | ±0.1mm | 27008-10 | 4/28/2023 | 4/27/2024 | | | |
| H1216 | Fixture | Digital Vernier Caliper - GLA13S | 0-300mm | ±0.03mm; ±0.04mm | K23D014332 | 5/17/2023 | 5/16/2024 | | | |

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 2. The report is not valid if altered.
- 3. Claims have to be made within 15 days after receipt of this report.
- The results of this test report relate only to the items tested.
- The results apply to the samples as received.

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- 7. The results of this test report apply ASTM E29:2022 Rounding Method, unless otherwise requested or noted within the report.
- Decision rule applied according to "ILAC-G8:09/2019 Guidelines on the Reporting of Compliance with Specification".

END OF REPORT

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Technician: Terry Liu in full with Test Date: 18 July 2023 NOT LOO LIC

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rebiognice desc SAFETY COMPLIANCE TESTING FOR ASTM F-1492-22 HELMETS USED IN SKATEBOARDING AND TRICK ROLLER SKATING Lebrodnced exception Nitten approval from Ac

Brand : LEATT

Model : LT2323-MTB URBAN 2.0

Tested Size : M (55-59 cm) Stock / Model Number

Country of Origin Age Grading Children's Product

repared For:

Leatt Corporation

12 Kiepersol Crescent
Gardens Busine
pe Farms Atlas Gardens Business Park, Cape Farms, Cape Town, 7550, ZA



Issue Date: 19 July 2023

Final Report: 904.14204.002

Tested By:

Taicang ACT Sporting Goods Testing Co., Ltd. No. 35 Zhenghe Road. Ludu Town, Taicang City, Suzhou, Jiangsu Province, China 215412 www.act-lab.com

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Contract File No.: 904.14204

Test File: 002

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

written app Technician: Wille Wang 12 . 12 rin fill witho Test Date: 12 July 2023



HELMET DATA

| AC I | | | ine |
|---------------------------------|--|--|----------------|
| | East 59th Street, Long Beach, CA 90805 | Tel 562.470.7215 Web act-lab.com | n con et |
| All Not with ab II HE | ELMET DATA | | n chie documer |
| HELMET BRAND NAME: <u>LEATT</u> | | < | epron on |
| HELMET MODEL DESIGNATION: LT2 | 2323-MTB URBAN 2.0 | | Wille |
| HELMET MANUFACTURER: DONGE | DUAN YIYANG SPORTS (| | |
| HELMET SIZE: M (55-59 cm) | | , he one | |
| DATE OF MANUFACTURE: 03/23 | il n | o with abile | |
| AGE GRADING: 5 and older | of shu fi | W. L. Co | |
| EPS COLOR: Black | me cepton | | |
| BUCKLE TYPE: Nx/A | : 400 9 6 May 1. | | |
| LOT NUMBER: TBD | This gird opper | | |
| PURCHASE ORDER #: 217667 | (e) itel | | |
| HELMET COVERAGE: Partial | X Full: | Complete: | |
| TEST HEADFORM SIZE: EN960 M | | | 90cg |
| HELMET POSITIONING INDEX: 17 m | ım | | This docum |
| dil vi Miti do II | | | repronou |
| Helmet Number: Weight (g) |): Helmet Number: | Weight (g): | This duced |

| | Helmet Number: | Weight (g): | Helmet Number: | Weight (g): | |
|----|----------------|-------------|----------------|-------------|--|
| | 1.Ambient | 463 | 3.Cold | 458 | |
| 7, | 2.Hot | 467 | 4. Wet | 10° 011 460 | |

| Conditioning Temperatures | | | | | |
|---------------------------|-------|--|--|--|--|
| Lab Humidity: | 59% | | | | |
| Ambient: | 23°C | | | | |
| Hot: | 50°C | | | | |
| Cold: | -15°C | | | | |
| Wet: | 23°C | | | | |

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Test File: 002

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

This docum Technician: Wille Wang Test Date: 12 July 2023

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TEST SUMMARY

| | TEST SUMMARY | |
|-------------------|----------------------------|-----------|
| | Test Requirements | Pass/Fail |
| chuse. | Peripheral Vision | Pass |
| 15 900 de, | Projections | Pass |
| This graph | Positional Stability | Pass |
| This docod ext | Dynamic Strength Retention | Pass |
| \mathcal{N}_{i} | Impact Attenuation | Pass |
| | Labels and Warnings | Pass |

Reviewed by: John Bogler

Tested By: Wille Wang not be not lo

Comments:

- reproducede All helmets were received in undamaged condition and were appropriate for testing.
 The accompanying helmet labels were submitted independently from the test samples and thus could not be checked for any characteristics except for the containing information.
 These helmets appear to be constructed of materials that are not invitation or disease.
 Weights listed of 3. These helmets appear to be constructed of materials that are not known to cause skin irritation or disease.

 4. Weights listed above for helmets 1.1
- irritation or disease.

 4. Weights listed above for helmets 1-4 are as tested, with no attachments included.

 5. This helmet met all requirements for ASTM F1492. nents inc nents inc nents inc shall not with the standard of t

Contract File No.: 904.14204

Test File: 002

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

Technician: Wille Wang Jirkill WithOl West Top IIC .D. Test Date: 12 July 2023



LABELING

| ACT Lab LLC 3280 East 59th Street, Long Beach, CA 90805 Tel 562.470.7215 Web act-lab.com | | | | | | | |
|--|--|-----------------------------------|--|--|--|--|--|
| | ACT Lab LLC 3280 East 59th Street, Long Beach, CA 90805 Tel 562.470.7215 Web of the street of th | This repro | | | | | |
| Section | Labeling - Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user: | Present on Helmet? Yes / No | | | | | |
| F14 | 146: Standard Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear | rmance | | | | | |
| 12.4 | Each helmet shall contain labels with at least the following information, using terms and symbols commonly known and easily visible to users. The label(s) should be likely to remain on the helmet and legible throughout the intended design life of the helmet. | Yes | | | | | |
| 12.4.1 | The number of the standard specification which the manufacturer certifies that it meets, including the two-digit version year appended to the number. | Yes | | | | | |
| 12.4.2 | Model designation | Yes | | | | | |
| 12.4.3 | Name of manufacturer | Yes | | | | | |
| 12.4.4 | Month and year of manufacture | Yes | | | | | |
| 12.4.5 | A label that warns the user that no helmet can protect against all possible impacts and that for maximum protection the helmet must be fitted and attached properly to the wearer's head in accordance with the manufacturer's fitting instructions. | Yes | | | | | |
| 12.4.6 | A label that warns the user that the helmet may, after receiving an impact, be damaged to the point that it is no longer adequate to protect the head against further impacts, and that this damage may not be visible to the user. This label should also state that a helmet that has sustained an impact should be returned to the manufacturer for competent inspection or be destroyed and replaced. | Yes | | | | | |
| 12.4.7 | A label that warns the user that the helmet can be damaged by contact with common substances (for example, certain solvents, cleaners, hair tonics, etc.) and that this damage may or may not be visible to the user. This label should also list any recommended cleaning agents or procedures, or both. | Yes | | | | | |
| 12.4.8 | Any other warnings, cautions, or instructions specified in the individual standard specification. | Yes | | | | | |
| 12.4.9 | Each helmet shall have accompanying fitting and positioning instructions including graphic representation of proper positioning. | Yes | | | | | |
| Section | Labeling - Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user: | Present on Helmet? Yes / No | | | | | |
| =1492-22 : | Standard Test Methods for Equipment and Procedures Used in Skateboarding and Trick F | | | | | | |
| 4.2 | Shall have the words "For skateboarding or trick roller skating". | Yes (| | | | | |
| | 20 " H. VO | | | | | | |

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Technician: Wille Wang Test Date: 12 July 2023 ont shall not without C

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904.14204.002 - LT2323-MTB URBAN 2.0





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THIS HEIMET IS FOR PEDAL CYCLISTS, SKATEBOARDERS OR ROLLER SKATERS. NO HEIMET CAN PROTECT THE USER AGAINST ALL PORSEGABLE IMPACTS. SERIOUS MURITY OR DATH MAY OCCUR. POR MANDHUM PROTECTION, HEIMET MUST BE ACCORDANCE WITH THE OWNERS MANUAL HITTING INSTRUCTIONS. THE HEIMET FOULD NOT BE USED BY CHILDREN WHILE CLIMBING OR DOING OTHER SHEWER HEIMED AND THE WORLD HE WAS ALL PROPERTY OF THE HEIMET DESERVED WHITH THE HEIMET. THE HEIMET DEPENDENCES AS VICENTIAL TO THE WAS ALL PROPERTY OF THE

904.14204.002 - Labels

Contract File No.: 904.14204

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Technician: Wille Wang The full withou . Dat in I lob lic Test Date: 12 July 2023



SUMMARY REPORT

| HELMET ID | Condition | | <u>Model</u> | <u>Date of</u> <u>Manufacture</u> | Helmet Size | <u>Headform</u> <u>Size</u> |
|--------------|-----------|-------|----------------------|--------------------------------------|--------------|--------------------------------|
| 1 | Ambient | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | M (55-59 cm) | EN960 M |
| 25 | Hot | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | M (55-59 cm) | EN960 M |
| 3,000 | Cold | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | M (55-59 cm) | EN960 M |
| (04, 10) | Wet | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | M (55-59 cm) | EN960 M |

POSITIONAL STABILITY (ROLL OFF) TEST

| HELMET ID | Condition | Drop Mass (kg) | Drop Height (m) | REQUIREMENT | TEST RESULTS |
|-----------|-----------|-------------------|--------------------|-------------|--------------|
| 4 | Ambient | 4.0 | 711.06 | Face Up | Pass |
| | | | 0.6 | Face Down | Pass |

Comment:

N

1. Test Criteria: The helmet shall not come off the test headform or excessively displace past the coronal plane.

RETENTION SYSTEM STRENGTH TEST

| HELMET ID | <u>Model</u> | Headform Size | Condition | Maximum Elongation (mm) | Residual Elongation (mm) | Pass/Fail |
|--------------|----------------------|------------------|-----------|-------------------------------|--------------------------|-----------|
| 2 | LT2323-MTB URBAN 2.0 | EN960 M | Hot | 20 | 9 | Pass |
| 3:50 | LT2323-MTB URBAN 2.0 | EN960 M | Cold | 21 | 12 کن | Pass |
| 4,00 | LT2323-MTB URBAN 2.0 | EN960 M | Wet | 1,907,111 | 9 | Pass |

Comment:

1. Test Criteria: The retention system shall remain intact without elongating more than 30 mm.

SYSTEM CHECK - IMPACT ATTENUATION

| SYSTEMS CHECK | TEST RECORD | HEADFORM POSITION | DROP (meters) | VEL. (m/s) | PEAK (g) |
|------------------|----------------|----------------------|------------------|------------|----------|
| | Pre 1 | Crown | 1.550 | 5.43 | 390 |
| PRETEST | Pre 2 | Crown | 1.550 | 5.45 | 389 |
| FILILOI | Pre 3 | Crown | 1.550 | 5.46 | 387 |
| PRETEST AVERAGE | | XXXX | XXXX | XXXX | 388 |
| | Post 1 | Crown | 1.550 | 5.40 | 389 . |
| POSTTEST | Post 2 | Crown | 1.550 | 5.43 | 388 |
| FOSTIEST | Post 3 | Crown | 1.550 | 5.43 | 384 |
| POSTTEST AVERAGE | | XXXX | XXXX | XXXX | 387 |

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Technician: Wille Wang Test Date: 12 July 2023

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IMPACT TEST SUMMARY

| | 0// | , III , O _P | | | | | , , , , , |
|--------------|--------------------|------------------------|----------|-----------|---------------------|------------------|---------------|
| Helmet ID | Impact Site # | Impact Location | Anvil | Condition | Velocity (m/sec) | Peak Acc. (g) | Pass/ Fail |
| 6996 | 3,701 | LF Side | Flat | Ambient | 4.63 | 171 | Pass |
| 113/140/06 | 2 | LF Side | Flat | Ambient | 4.63 | 218 | Pass |
| Picon | 3 | LF Side | Flat | Ambient | 4.63 | 252 | Pass |
| 1 | 4 | Rear | Flat | Ambient | 4.60 | 145 | Pass |
| 1 | 5 | Rear | Flat | Ambient | 4.59 | 174 | Pass |
| 1 | 6 | Rear | Flat | Ambient | 4.59 | 193 | Pass |
| 1 | 7 | Front | Cylindri | Ambient | 4.63 | 110 | Pass |
| 1 | 8 | RT Side | Hazard | Ambient | 4.62 | 113 | Pass |
| 2 | 1 | LF Side | Flat | Hot | 4.58 | 179 | Pass |
| 2 | 2 | Rear | Flat | Hot | 4.60 | 139 | Pass |
| 2 | 3 | Front | Cylindri | Hot | 4.62 | 127 | Pass |
| 2 | 4 | RT Side | Hazard | Hot | 4.61 | 152 | Pass |
| 3 | 1 , | LF Side | Flat | Cold | 4.62 | 176 | Pass |
| 3 | 25/1 | Rear | Flat | Cold | 4.65 | 147 | Pass |
| 3 | Je 36, | Front | Cylindri | Cold | 4.68 | 132 | Pass |
| 3000 | 10 41 | RT Side | Hazard | Cold | 4.59 | 102 | Pass |
| (his 4)CS | ,0 ¹ 01 | LF Side | Flat | Wet | 4.61 | 177 | Pass |
| 2010400 | 2 | Rear | Flat | Wet | 4.60 | 145 | Pass |
| witt4 | 3 | Front | Cylindri | Wet | 4.64 | 124 | Pass |
| 4 | 4 | RT Side | Hazard | Wet | 4.66 | 107 | Pass |

Comment:

1. Impact Attenuation: The peak acceleration of any impact shall not exceed 300 g.

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Test File: 002

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ville ي: 12 July . بالمار المار الم Technician: Wille Wang Test Date: 12 July 2023



EQUIPMENT LIST AND CALIBRATION SCHEDULES

| | EQUIPMENT LIST | | | | | | | | |
|----------------|----------------------------|-----------------------|---|------------------|--------------------------|------------------------|--|--|--|
| Asset Tag | Location | Description of part | Model Number | Serial Number | Verification Interval | Next Verification | | | |
| H1001 | Helmet Room | Fixture | Yellow Tower - 1000_00_MIMAT | NA | NA | NA | | | |
| H1002 | Helmet Room | Fixture | Green Tower - Series 2000 | NA | NA | NA NA | | | |
| H1011 | Helmet Room | Instrument | Impact Machine System DX3000 - Green tower | NA | NA | NA | | | |
| H1013 | Helmet Room | Instrument | CPSC/ASTM Dynamic Strength Charge Amplifier - ATA2001 (Backup) | J72863 | Yes | Daily | | | |
| H1015 | Helmet Room | Fixture | CPSC/ASTM Positional Stability Fixture | NA X | Yes | 4/27/2024 | | | |
| H1017 | Helmet Room | Fixture | DOT Retention System Machine - SB033 | NA ONA | Yes | 4/27/2024 | | | |
| H1034 | Helmet Room | Environmental chamber | Water Immersion Container | NA NA | NA | NA | | | |
| H1043 | Helmet Room | Headform | ISO/EN960 A Partial Headform (Impact) | 4272 | Yes | 5/5/2024 | | | |
| H1044 | Helmet Room | Headform | ISO/EN960 C Partial Headform (Impact) | 6938 | Yes | 5/5/2024 | | | |
| H1045 | Helmet Room | Headform | ISO/EN960 E Partial Headform (Impact) | 4146 | Yes | 5/5/2024 | | | |
| H1046 | Helmet Room | Headform | ISO/EN960 J Partial Headform (Impact) | 4148 | Yes | 5/5/2024 | | | |
| H1047 | Helmet Room | Headform | ISO/EN960 M Partial Headform (Impact) | 4131 | Yes | 5/5/2024 | | | |
| H1048 | Helmet Room | Headform | ISO/EN960 O Partial Headform (Impact) | 4151 | Yes | 5/5/2024 | | | |
| H1049 | Helmet Room | Headform | DOT Small (Impact) | 5178 | Yes | 5/5/2024 | | | |
| H1050 | Helmet Room | Headform | DOT Medium (Impact) | 5179 | Yes | 5/5/2024 | | | |
| H1051 H1052 | Helmet Room Helmet Room | Headform Drop Mass | DOT Large (Impact) CPSC/ASTM Spherical Impactor | 5190 NA | Yes Yes | 5/5/2024 5/5/2024 | | | |
| H1052 | Helmet Room Helmet Room | Drop Mass Drop Mass | ASTM/SNELL Chin Bar Impactor | NA NA | Yes | 5/5/2024 | | | |
| H1054 | Helmet Room | Anvil | CurbStone - CPSC/ASTM | NA NA | Yes | 5/5/2024 | | | |
| H1056 | Helmet Room | Anvil | Cylindrical | NA NA | Yes | 5/5/2024 | | | |
| H1059 | Helmet Room | Anvil | Triangular Hazard | NA NA | Yes | 5/5/2024 | | | |
| H1060 | Helmet Room | Anvil | Hemispherical - Yellow tower | NA | Yes | 5/5/2024 | | | |
| H1062 | Helmet Room | Anvil | Flat - Yellow tower | C240812-01 | Yes | 5/5/2024 | | | |
| H1066 | Helmet Room | Fixture | Penetration Magnetic Carriage | NA | Yes | 6/25/2024 | | | |
| H1091 | Helmet Room | Fixture | 40° Up Vision Angle Block | NA | Yes | 5/6/2024 | | | |
| H1092 | Helmet Room | Clamp | Split Ring Clamp - 119g | NA | Yes | 5/6/2024 | | | |
| H1093 | Helmet Room | Clamp | Split Ring Clamp - 210g | NA | Yes | 5/6/2024 | | | |
| H1094 | Helmet Room | Clamp | Split Ring Clamp - 378g | NA | Yes | 5/6/2024 | | | |
| H1095 | Helmet Room | Clamp | Split Ring Clamp - 451g | NA | Yes | 5/6/2024 | | | |
| H1096 | Helmet Room | Clamp | Split Ring Clamp - 505g | NA | Yes | 5/6/2024 | | | |
| H1097 | Helmet Room | Clamp | Split Ring Clamp - 597g | NA | Yes | 5/6/2024 | | | |
| H1098 | Helmet Room | Clamp | Split Ring Clamp - 1158g | NA | Yes | 5/6/2024 | | | |
| H1099 | Helmet Room | Anvil | Flat - Green tower | NA | Yes | 5/6/2024 | | | |
| H1100 | Helmet Room | Anvil | Hemispherical - Green tower | NA NA | Yes | 5/6/2024 | | | |
| H1101 H1102 | Helmet Room | Headform | DOT Small (Reference) DOT Medium (Reference) | NA | Yes Yes | 4/27/2024 | | | |
| H1102 | Helmet Room Helmet Room | Headform Headform | DOT Medium (Reference) DOT Large (Reference) | NA NA | Yes | 4/27/2024 4/27/2024 | | | |
| H1105 | Helmet Room | Drop Mass | Aluminum Ball Stem - Green tower | NA NA | Yes | 5/6/2024 | | | |
| H1106 | Helmet Room | Drop Mass Drop Mass | Steel Ball Stem | NA NA | Yes | 5/6/2024 | | | |
| H1107 | Helmet Room | Drop Mass | Magnesium Ball Stem | NA | Yes | 5/6/2024 | | | |
| H1123 | Helmet Room | Fixture | CPSC/ASTM Roll Off Headform Base Fastened Plate | NA | NA NA | NA | | | |
| H1126 | Helmet Room | Drop Mass | Complete Pistol Grip - Green tower | NA | Yes | 5/6/2024 | | | |
| H1127 | Helmet Room | Headform | ISO/EN 960 C Full Headform (Reference) | 6947 | Yes | 4/27/2024 | | | |
| H1128 | Helmet Room | Headform | DOT Small (Penetration) | NA | Yes | 4/27/2024 | | | |
| H1129 | Helmet Room | Headform | DOT Medium (Penetration) | NA NA | Yes | 4/27/2024 | | | |
| H1130 | Helmet Room | Headform | DOT Large (Penetration) | NA | Yes | 4/27/2024 | | | |
| H1143 | Helmet Room | Fixture | DOT Brow Opening 1 Inch Block | NA | Yes | 4/28/2024 | | | |
| H1146 | Helmet Room | Fixture | DOT Penetration Height Stick | NA | Yes | 6/25/2024 | | | |
| H1149 | Helmet Room | Mass | Testing Area Preload Ballast | NA | Yes | 4/28/2024 | | | |
| H1150 | Helmet Room | Drop Mass | 10kg Positional Stability Drop Mass | NA | Yes | 4/28/2024 | | | |
| H1178 | Helmet Room | Drop Mass | Complete Pistol Grip - Yellow tower | NA | Yes | 5/6/2024 | | | |
| H1179 | Helmet Room | Drop Mass | Aluminum Ball Stem - Yellow tower | NA | Yes | 5/6/2024 | | | |
| H1189 | Helmet Room | Drop Mass | DOT Penetration Striker Tip | 070622-03 | Yes | 6/25/2024 | | | |
| H1196 | Helmet Room | Fixture | DOT Retention Machine Static Load - SB033 (New) | NA | Yes | 4/28/2024 | | | |
| H1197 | Helmet Room | Fixture | DOT Retention LVDT Calibration Block | NA | Yes | Pending | | | |
| H1204 | Helmet Room | Drop Mass | Complete Pistol Grip - Yellow tower (Backup) | 120122-07 | Yes | 5/6/2024 | | | |
| H1205 | Helmet Room | Drop Mass | Ball Stem - Yellow tower (Backup) | NA | Yes | 5/6/2024 | | | |
| H1213 | Helmet Room | Fixture | CPSC/ASTM Dynamic Retention Strength Fixture | NA | Yes | 4/28/2024 | | | |
| H1229 | Helmet Room | Fixture | Penetration Tube | NA | Yes | 6/25/2024 | | | |
| H1230 | Helmet Room | Fixture | Penetration Headform Mount Holder | NA | NA | NA | | | |

Contract File No.: 904.14204

Test File: 002

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8 of 10

Technician: Wille Wang Test Date: 12 July 2023



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| | 1 Co. | CALIBRATED | MEASUREMENT DI | EVICES | | | |
|--------------|-----------------------|--|--------------------|---------------------|----------------------|-----------------------|-----------------------|
| Asset Tag | Description of part | Model Number | Measuring Range | Accuracy | Serial Number | Last Calibrated On | Calibration Due On |
| H1003 | Instrument | Velocity Gate - Yellow tower | 0-8.5m/s | ±0.0001m/s | HVTG120120810-1 | 10/6/2022 | 10/5/2023 |
| H1004 | Instrument | Velocity Gate - Green tower | 0-6.5m/s | ±0.0001m/s | HVTG120090331-1 | 1/26/2023 | 1/25/2024 |
| H1006 | Instrument | Accelerometer PCB 353B18 - Yellow & Green tower | ±500g | ≤1% | 131607 | 1/26/2023 | 1/25/2024 |
| H1007 | Instrument | Accelerometer PCB 353B18 - Green tower | ±500g | ≤1% | 86079 | 10/5/2022 | 10/4/2023 |
| H1009 | Fixture | Digital Tape 16' - Yellow tower | 0-5.5m | ±0.1cm | 5027526 | 11/24/2022 | 11/23/2023 |
| H1010 | Instrument | CCS PC4300 - Green tower | ±500g | ≤1% | CCS120090331-1 | 1/26/2023 | 1/25/2024 |
| H1012 | Instrument | CPSC/ASTM Dynamic Strength LVDT - C20101007753 (Backup) | 0-50mm | ±0.1mm | C20101007753 | 11/22/2022 | 11/21/2023 |
| H1014 | Instrument | DOT Retention System LVDT - LWE-200 | 0-100mm | ±0.1mm | 2002572 | 11/22/2022 | 11/21/2023 |
| H1025 | Fixture | Electronic Scale - BT-6 | 0-6kg | ±0.1g | 12230126 | 6/26/2023 | 6/25/2024 |
| H1026 | Fixture | Laser Table - SB005 | 0-450mm, 0-20° | ±1mm, ±1° | TLTV2KB-20090403-1 | 11/22/2022 | 11/21/2023 |
| H1030 | Conditioning | Oven #1 - 92*9240MBE | 0-200°C | ±0.1°C | 8285 | 6/26/2023 | 6/25/2024 |
| H1031 | Conditioning | Oven #2 - DHG-9426 | 0-200°C | ±0.1°C | 1503338018 | 11/22/2022 | 11/21/2023 |
| H1032 | Conditioning | Freezer #1 - DW-25W300 | -30~-10°C | ±0.1°C | BE062100N00B29578VMO | 6/26/2023 | 6/25/2024 |
| H1033 | Environmental chamber | Freezer #2 - DW-50W225 | -30~-10°C | ±0.1°C | F8LMJ | 11/22/2022 | 11/21/2023 |
| H1036 | Fixture | Hygrothermograph #1 - TH-602F | -30~60°C, 0-100% | ±1°C | 3238 | 6/28/2023 | 6/27/2024 |
| H1057 | Anvil | Edge | NA | NA | NA | 10/27/2020 | 10/26/2023 |
| H1058 | Anvil | Equestrian Hazard | NA | NA | NA | 10/27/2020 | 10/26/2023 |
| H1061 | Anvil | Skate Blade | NA | NA | NA | 10/27/2020 | 10/26/2023 |
| H1063 | Fixture | Digital tape - 5m | 0-5m | ±0.1mm | 78223 | 11/24/2022 | 11/23/2023 |
| H1064 | Instrument | CCS PC4400 - Yellow tower | ±500a | ≤1% | CCS120120810-1 | 1/26/2023 | 1/25/2024 |
| H1070 | Instrument | DOT Retention System Load Cell - 9363-B10-300-20T1 | 0-300lb | ±0.1kg | 80310843 | 6/26/2023 | 6/25/2024 |
| H1072 | Fixture | Hygrothermograph #4 - TH600B | -20~100°C, 0-100% | ±1°C | Q/MDS001-2017-2 | 6/27/2023 | 6/26/2024 |
| H1073 | Fixture | Height Gauge | 0-500mm | ±0.01mm | 8811213838273610 | 11/22/2022 | 11/21/2023 |
| H1074 | Fixture | Digital Vernier Caliper - SJ-455615 | 0-150mm | ±0.01mm | 455615 | 11/22/2022 | 11/21/2023 |
| H1075 | Fixture | Digital Level - SPI TRONIC Pro 360 | 0-360° | ±0.1° | 31-038-3 | 11/24/2022 | 11/23/2023 |
| H1076 | Instrument | Calorifier - CN-111 | 18-35°C | ±0.1°C | NA | 11/25/2022 | 11/24/2023 |
| H1077 | Fixture | ACT Tape | 0-1.5m | ±1mm | NA | 11/24/2022 | 11/23/2023 |
| H1117 | Fixture | Helmet Internal Circumference Measure Tool | 49-62cm | ±1mm | O X NA | 11/24/2022 | 11/23/2023 |
| H1172 | Fixture | Height Measurement Rod #6 | 600±5mm | ±1mm | 032216-02 | 6/24/2022 | 6/23/2025 |
| H1174 | Anvil | MEP Pad | NA | NA CO | 021921-01 | 2022 yearly report | 2023 yearly report |
| H1180 | Instrument | CPSC/ASTM LVDT & Sensor Box | 2 Inch | ±0.1mm | 04140748-001 | 11/22/2022 | 11/21/2023 |
| H1184 | Instrument | Accelerometer PCB 353B18 - Yellow tower | ±500g | 9 ≤1% | LW226664 | 10/5/2022 | 10/4/2023 |
| H1190 | Environmental chamber | Oven - KH-120A | 5-250°C | ±0.1°C | 2201-020 | 11/22/2022 | 11/21/2023 |
| H1193 | Fixture | I-square | 150*100mm | ±1mm | SJT-43008 | 11/24/2022 | 11/23/2023 |
| H1194 | Fixture | Triangular Ruler | 190mm | ±1mm | SJT-43111 | 11/25/2022 | 11/24/2023 |
| H1198 | Instrument | LVDT Volfa LWE-200 (Head) - DOT Retention | 0-150mm | ±1mm | NA | 3/10/2023 | 3/9/2024 |
| H1199 | Instrument | LVDT Volfa LWE-200 - DOT Retention Machine | 0-150mm | ±1mm | NA | 3/10/2023 | 3/9/2024 |
| H1200 | Instrument | VPG load cell - 9363-B10-500-20T1 - DOT Retention Machine | 0-500lb | ±0.1kg | 90139705 | 3/10/2023 | 3/9/2024 |
| H1210 | Fixture | Peripheral Vision | 105° Both sides | 105° | NA | 4/27/2023 | 4/26/2026 |
| H1214 | Instrument | DOT Retention System LVDT (Head) - LWE-200 | 0-50mm | ±0.1mm | 27008-10 | 4/28/2023 | 4/27/2024 |
| H1216 | Fixture | Digital Vernier Caliper - GLA13S | 0-300mm | ±0.03mm; ±0.04mm | K23D014332 | 5/17/2023 | 5/16/2024 |
| • | . = | | ~ | 1400 140 | | | |

Contract File No.: 904.14204

Test File: 002

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Technician: Wille Wang Test Date: 12 July 2023



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 2. The report is not valid if altered.
- 3. Claims have to be made within 15 days after receipt of this report.
- The results of this test report relate only to the items tested.
- The results apply to the samples as received.

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- For reports that contain results from external test service providers: Results from external test service providers are supplied by the customer and can affect validity of results.
- 7. The results of this test report apply ASTM E29:2022 Rounding Method, unless otherwise requested or noted within the report.
- Decision rule applied according to "ILAC-G8:09/2019 Guidelines on the Reporting of Compliance with Specification".

END OF REPORT

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rebiognice desc SAFETY COMPLIANCE TESTING FOR ASTM F-1492-22 HELMETS USED IN SKATEBOARDING AND TRICK ROLLER SKATING Lebrodnced exception Nitten approval from Ac

Brand : LEATT

Model : LT2323-MTB URBAN 2.0

Tested Size : L (59-63 cm) Stock / Model Number

Country of Origin Age Grading Children's Product

repared For:

Leatt Corporation

12 Kiepersol Crescent
Gardens Busine
pe Farms Atlas Gardens Business Park, Cape Farms, Cape Town, 7550, ZA



Issue Date: 19 July 2023

Final Report: 904.14204.012

Tested By:

Taicang ACT Sporting Goods Testing Co., Ltd. No. 35 Zhenghe Road. Ludu Town, Taicang City, Suzhou, Jiangsu Province, China 215412 www.act-lab.com

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Contract File No.: 904.14204

Test File: 012

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM



HELMET DATA

| AC | "Wei |
|--|---|
| | ng Beach, CA 90805 Tel 562.470.7215 Web act-lab.com |
| HELMET DATA | ng Beach, CA 90805 Tel 562.470.7215 Web act-lab.com |
| HELMET BRAND NAME: LEATT | - Lebigo Ot |
| HELMET MODEL DESIGNATION: LT2323-MTB U | RBAN 2.0 |
| HELMET MANUFACTURER: DONGDUAN YIYAN | |
| HELMET SIZE: L (59-63 cm) | , pe out |
| DATE OF MANUFACTURE: 03/23 | all no with abile |
| AGE GRADING: 5 and older | of ship full of le |
| EPS COLOR: Black | We cely our |
| BUCKLE TYPE: Nx/A | 9 shall |
| LOT NUMBER: TBD | 3prc |
| PURCHASE ORDER #: 217667 | |
| HELMET COVERAGE: Partial X Fu | ill: Complete: |
| TEST HEADFORM SIZE: EN960 O | 40cg |
| HELMET POSITIONING INDEX: 21 mm | Imet Number: Weight (g): |
| all his with do II | (8), tell (1) |
| Helmet Number: Weight (g): He | Imet Number: Weight (g): |

| | Helmet Number: | Weight (g): | Helmet Number: | Weight (g): | |
|----|----------------|-------------|----------------|-------------|--|
| | 1.Ambient | 510 | 3.Cold | 510 | |
| 7, | 2.Hot | 511 | 4. Wet | 508 | |

| Conditioning Temperatures | | | | | |
|---------------------------|-------|--|--|--|--|
| Lab Humidity: 59% | | | | | |
| Ambient: | 23°C | | | | |
| Hot: | 50°C | | | | |
| Cold: | -15°C | | | | |
| Wet: | 23°C | | | | |

Contract File No.: 904.14204

Test File: 012

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

This docum Technician: Terry Liu Test Date: 18 July 2023 ont shall not without



TEST SUMMARY

| | TEST SUMMARY | |
|----------------|----------------------------|-----------|
| in a second | Test Requirements | Pass/Fail |
| Chule | Peripheral Vision | Pass |
| is doced en | Projections | Pass |
| This globby | Positional Stability | Pass |
| This docule to | Dynamic Strength Retention | Pass |
| W. | Impact Attenuation | Pass |
| | Labels and Warnings | Pass |

Reviewed by: John Bogler

Tested By: Terry Liu

Comments:

- reproducede All helmets were received in undamaged condition and were appropriate for testing.
 The accompanying helmet labels were submitted independently from the test samples and thus could not be checked for any characteristics except for the containing information.
 These helmets appear to be constructed of materials that are not invitation or disease.
 Weights listed of 3. These helmets appear to be constructed of materials that are not known to cause skin irritation or disease.

 4. Weights listed above for helmets 1.1
- Triese tielmets appear to be constructed of materials that are not known to cause irritation or disease.
 Weights listed above for helmets 1-4 are as tested, with no attachments included.
 This helmet met all requirements for ASTM F1492. nents inc nents inc nents inc shall not with the standard of t

Contract File No.: 904.14204

Test File: 012

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

Technician: Terry Liu J. J. Fill WithOl Test Date: 18 July 2023 .D. West Top IIC

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LABELING

| | LABELING | Present on |
|---------|---|-----------------------------------|
| ection | Labeling - Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user: | Present on Helmet? Yes / No |
| F14 | 146: Standard Test Methods for Equipment and Procedures Used in Evaluating the Perfor Characteristics of Protective Headgear | rmance |
| 12.4 | Each helmet shall contain labels with at least the following information, using terms and symbols commonly known and easily visible to users. The label(s) should be likely to remain on the helmet and legible throughout the intended design life of the helmet. | Yes |
| 12.4.1 | The number of the standard specification which the manufacturer certifies that it meets, including the two-digit version year appended to the number. | Yes |
| 12.4.2 | Model designation | Yes |
| 12.4.3 | Name of manufacturer | Yes |
| 12.4.4 | Month and year of manufacture | Yes |
| 12.4.5 | A label that warns the user that no helmet can protect against all possible impacts and that for maximum protection the helmet must be fitted and attached properly to the wearer's head in accordance with the manufacturer's fitting instructions. | Yes |
| 12.4.6 | A label that warns the user that the helmet may, after receiving an impact, be damaged to the point that it is no longer adequate to protect the head against further impacts, and that this damage may not be visible to the user. This label should also state that a helmet that has sustained an impact should be returned to the manufacturer for competent inspection or be destroyed and replaced. | Yes Yes |
| 12.4.7 | A label that warns the user that the helmet can be damaged by contact with common substances (for example, certain solvents, cleaners, hair tonics, etc.) and that this damage may or may not be visible to the user. This label should also list any recommended cleaning agents or procedures, or both. | Yes |
| 12.4.8 | Any other warnings, cautions, or instructions specified in the individual standard specification. | Yes |
| 12.4.9 | Each helmet shall have accompanying fitting and positioning instructions including graphic representation of proper positioning. | Yes |
| Section | Labeling - Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user: | Present on Helmet? Yes / No |
| 1492-22 | Standard Test Methods for Equipment and Procedures Used in Skateboarding and Trick F | |
| 4.2 | Shall have the words "For skateboarding or trick roller skating". | Roller Skating Yes |
| | | |

Contract File No.: 904.14204

Test File: 012

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Technician: Terry Liu Test Date: 18 July 2023

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904.14204.012 - LT2323-MTB URBAN 2.0

LEATT CORPORATION 9555, N VIRGINIA STREET #105 RENO, USA NV 89506 PHONE: +1 (800) 691 3314 MADE IN CHINA BY DONGGUAN YIYANG SPORTS CO. Ltd LIAOBU TOWN, DONGGUAN CITY





LOT: **** MARCH 2023 PO# ******

WARRINGS

WARRINGS

THIS HEIMER IS FOR PEDAL CYCLISTS, SKATEBOARDERS OR ROLLER SKATERS. NO HELMER CAN PROTECT THE USER AGAINST ALL PORSEGABLE IMPACTS. SERIOUS DIVINUY OR DEATH HAW OCCUR. FOR MADDIUM PROTECTION, HEIMER MUST BE ROUND FOR THE WARRINGS OF TH

CE CASQUE EST CONÇU POUR LES SPORTS CYCLISTES, LE PATIN OU LA PINACHE À ROULETTES. AUCUN CASQUE NE PEUT PROTÉGER CONTRE TOUS LES ACCIDENTS, DE RESSURES GRAVES OU LA MORT PRUVENT SURVENIR, POUR DE PROTECTION OFFINALE, LE CASQUE DOIL TÈRE ATTACHÉ ET AUSTIS SIGON LES INSTRUCTIONS DOINS DANS LE GUIDE OU FORT PAUTE AUTORISME DANS LE GUIDE OU FORT PAUTE ACCIDITÉ, AUX CHI CASQUE SUR L'AUX NE ROCIL D'ÉTRANGLEMENT SI L'INVAINT REITE COINCÉ AUX CLE GAQUE, SI LE CASQUE SUBIT UN IMPACT, LE RETOURNER AU DÉTALLANT DOIL INSTRUCTION, OL LE DÉTRUIR ET LE REMPACRE LES DOMMAGES PEUV INTÉTRE INMISIBLE. CE CASQUE SIT FAIRIQUE AVEC DU POUVSTYRÉNE DEPANS LE FUEL TIER MINSIBLE. CE CASQUE SIT FAIRIQUE AVEC DU POUVSTYRÉNE DEPANS LE FUEL TIER SERRICISMENT SUR DOMMAGE PAR CERTAINES SUSTEMACE COMMUNE COMME : LES SERRICISMENT ENDOMMAGE PAR CERTAINES SUSTEMACE COMMUNE COMME : LES DOMMAGES PAUT D'AUX D'AUX

904.14204.012 - Labels

Contract File No.: 904.14204

Test File: 012

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Muitely abb Technician: Terry Liu The state of the s . Dat ANT LOP IIC Test Date: 18 July 2023



SUMMARY REPORT

| HELMET ID | Condition | <u>Brand</u> <u>Name</u> | <u>Model</u> | <u>Date of</u> <u>Manufacture</u> | Helmet Size | <u>Headform</u> <u>Size</u> |
|--------------|-----------|-----------------------------|----------------------|--------------------------------------|--------------|--------------------------------|
| 1 | Ambient | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | L (59-63 cm) | EN960 O |
| 25 | Hot | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | L (59-63 cm) | EN960 O |
| 3,000 | Cold | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | L (59-63 cm) | EN960 O |
| (04, 10) | Wet | LEATT | LT2323-MTB URBAN 2.0 | 03/23 | L (59-63 cm) | EN960 O |

POSITIONAL STABILITY (ROLL OFF) TEST

| HELMET ID | Condition | Drop Mass (kg) | Drop Height (m) | REQUIREMENT | TEST RESULTS |
|-----------|-----------|-------------------|--------------------|-------------|--------------|
| 4 | A mbiont | 4.0 | 71.06 | Face Up | Pass |
| 1 | Ambient | | 0.6 | Face Down | Pass |

Comment:

1. Test Criteria: The helmet shall not come off the test headform or excessively displace past the coronal plane.

RETENTION SYSTEM STRENGTH TEST

| HELMET ID | <u>Model</u> | Headform Size | Condition | Maximum Elongation (mm) | Residual Elongation (mm) | Pass/Fail |
|--------------|----------------------|------------------|-----------|-------------------------------|--------------------------|-----------|
| 2 | LT2323-MTB URBAN 2.0 | EN960 O | Hot | 22 | 12 | Pass |
| 3.50 | LT2323-MTB URBAN 2.0 | EN960 O | Cold | 21 | 11 کن | Pass |
| 4,00 | LT2323-MTB URBAN 2.0 | EN960 O | Wet | 220 111 | 11 | Pass |

Comment:

1. Test Criteria: The retention system shall remain intact without elongating more than 30 mm.

SYSTEM CHECK - IMPACT ATTENUATION

| SYSTEMS CHECK | TEST RECORD | HEADFORM POSITION | DROP (meters) | VEL. (m/s) | PEAK (g) |
|------------------|----------------|----------------------|------------------|------------|----------|
| | Pre 1 | Crown | 1.550 | 5.39 | 385 |
| PRETEST | Pre 2 | Crown | 1.550 | 5.35 | 383 |
| TINETEST | Pre 3 | Crown | 1.550 | 5.38 | 384 |
| PRETEST AVERAGE | | XXXX | XXXX | XXXX | 384 |
| | Post 1 | Crown | 1.550 | 5.36 | 385 |
| POSTTEST | Post 2 | Crown | 1.550 | 5.39 | 384 |
| POSTILOT | Post 3 | Crown | 1.550 | 5.34 | 383 |
| POSTTEST AVERAGE | | XXXX | XXXX | XXXX | 384 |

Contract File No.: 904.14204

Test File: 012

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM



IMPACT TEST SUMMARY

| Helmet ID | Impact Site # | Impact Location | Anvil | Condition | Velocity (m/sec) | Peak Acc. (g) | Pass/ Fail |
|--------------------|---------------------|--------------------|----------|-----------|---------------------|------------------|---------------|
| 6996 | 3,70,1 | LF Side | Flat | Ambient | 4.60 | 168 | Pass |
| 997 410 | 2 | LF Side | Flat | Ambient | 4.61 | 212 | Pass |
| A CONTRACT | 3 | LF Side | Flat | Ambient | 4.60 | 241 | Pass |
| 1 | 4 | Rear | Flat | Ambient | 4.67 | 163 | Pass |
| 1 | 5 | Rear | Flat | Ambient | 4.66 | 198 | Pass |
| 1 | 6 | Rear | Flat | Ambient | 4.62 | 223 | Pass |
| 1 | 7 | Front | Cylindri | Ambient | 4.67 | 117 | Pass |
| 1 | 8 | RT Side | Hazard | Ambient | 4.78 | 118 | Pass |
| 2 | 1 | LF Side | Flat | Hot | 4.64 | 169 | Pass |
| 2 | 2 | Rear | Flat | Hot | 4.62 | 160 | Pass |
| 2 | 3 | Front | Cylindri | Hot | 4.66 | 119 | Pass |
| 2 | 4 | RT Side | Hazard | Hot | 4.68 | 112 | Pass |
| 3 | 1 , | LF Side | Flat | Cold | 4.65 | 168 | Pass |
| 3 | 25 | Rear | Flat | Cold | 4.60 | 148 | Pass |
| 3 | 30 | Front | Cylindri | Cold | 4.69 | 105 | Pass |
| 300 | 10+41111 | RT Side | Hazard | Cold | 4.67 | 108 | Pass |
| inis 4ucs | ,p ⁽⁰⁾ 1 | LF Side | Flat | Wet | 4.59 | 166 | Pass |
| 20104 | 2 | Rear | Flat | Wet | 4.64 | 162 | Pass |
| Ni ^{it} 4 | 3 | Front | Cylindri | Wet | 4.64 | 124 | Pass |
| 4 | 4 | RT Side | Hazard | Wet | 4.71 | 188 | Pass |

Comment:

1. Impact Attenuation: The peak acceleration of any impact shall not exceed 300 g.

Contract File No.: 904.14204

Test File: 012

Control Document: Official ACT ASTM Helmet Report Template CN 05 July 2023 Rev.15 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/ASTM

erry ... 18 July . Technician: Terry Liu Test Date: 18 July 2023



EQUIPMENT LIST AND CALIBRATION SCHEDULES

| | EQUIPMENT LIST AND CALIBRATION SCHEDULES EQUIPMENT LIST | | | | | | | | |
|--|--|-------------|------------|------------------------------------|------------|-----|----------------------|--|--|
| | | | | | | | Next Verification | | |
| | H1001 | Helmet Room | Fixture | Yellow Tower - 1000_00_MIMAT | NA | NA | NA | | |
| Helmis Neimei Room | | Helmet Room | Fixture | | | | - | | |
| Hol105 Helme Room | H1011 | Helmet Room | Instrument | | NA | NA | NA | | |
| Hi0173 | .5 | | Instrument | ATA2001 (Backup) | J72863 | Yes | J | | |
| Hin903 | | | | | | | | | |
| Hindel Room | - 7 | | | | | | | | |
| H1945 | | | | | | | | | |
| Hin946 Helmet Room | | | | | | | | | |
| Hi047 Helmet Room | | | | | | | | | |
| Hindex Heimer Room Headform ISO/EN960 M Partial Headform (Impact) 4151 Yes 55/5/204 | | | | | | | | | |
| Hender Room | | | | | | | | | |
| Hinder Room Headform DOT Small (Impact) 5178 Yes 55/2024 Hinds Helmet Room Headform DOT Medium (Impact) 5179 Yes 55/2024 Hinds Helmet Room Drop Mass DOT Large (Impact) 5190 Yes 55/2024 Hinds Helmet Room Drop Mass ASTM/SNELL Chin Bar Impactor NA Yes 55/2024 Hinds Helmet Room Drop Mass ASTM/SNELL Chin Bar Impactor NA Yes 55/2024 Hinds Helmet Room Anvil Curb Store - OPSC/ASTM NA Yes 55/2024 Hinds Helmet Room Anvil Curb Store - OPSC/ASTM NA Yes 55/2024 Hinds Helmet Room Anvil Triangular Hazard NA Yes 55/2024 Hinds Helmet Room Anvil Hemispherical - Yellow tower NA Yes 55/2024 Hinds Helmet Room Anvil Hemispherical - Yellow tower C240812-01 Yes 55/2024 Hinds Helmet Room Fixture Penetration Magnetic Carriage NA Yes 62/26/2024 Hinds Helmet Room Fixture Penetration Magnetic Carriage NA Yes 6/26/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 119g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 119g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 378g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 378g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 1505g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 1505g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 1505g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 1505g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 1505g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 1505g NA Yes 5/6/2024 Hinds Helmet Room Clamp Spilt Ring Clamp - 1505g NA Yes 5/6/2024 Hinds Helmet Room Headform DOT Madul (Reference) NA Yes 5/6/2024 Hinds Helmet Room Hea | | | | | | | | | |
| Hindson | | | | | | | | | |
| Helmet Room Headform DOT_Large (Impact) 5190 Yes 5,5%2024 H1052 Helmet Room Drop Mass CPSCASTM Speheral Impactor NA Yes 5,5%2024 H1055 Helmet Room Drop Mass ASTM/SNELL Chin Bar Impactor NA Yes 5,5%2024 H1056 Helmet Room Anvil Curb Stone - CPSC/ASTM NA Yes 5,5%2024 H1056 Helmet Room Anvil Curb Stone - CPSC/ASTM NA Yes 5,5%2024 H1059 Helmet Room Anvil Triangular Hazard NA Yes 5,5%2024 H1059 Helmet Room Anvil Triangular Hazard NA Yes 5,5%2024 H1050 Helmet Room Anvil Hemispherical - Yellow tower C240912-01 Yes 5,5%2024 H1050 Helmet Room Anvil Hemispherical - Yellow tower C240912-01 Yes 5,5%2024 H1050 Helmet Room Fixture Penetration Magnetic Carriage NA Yes 6,2%2024 H1051 Helmet Room Fixture Penetration Magnetic Carriage NA Yes 6,2%2024 H1052 Helmet Room Clamp Spill Ring Clamp - 119g NA Yes 5,6%2024 H1053 Helmet Room Clamp Spill Ring Clamp - 119g NA Yes 5,6%2024 H1054 Helmet Room Clamp Spill Ring Clamp - 378g NA Yes 5,6%2024 H1056 Helmet Room Clamp Spill Ring Clamp - 378g NA Yes 5,6%2024 H1056 Helmet Room Clamp Spill Ring Clamp - 3505 NA Yes 5,6%2024 H1056 Helmet Room Clamp Spill Ring Clamp - 5050 NA Yes 5,6%2024 H1057 Helmet Room Clamp Spill Ring Clamp - 5050 NA Yes 5,6%2024 H1058 Helmet Room Clamp Spill Ring Clamp - 5050 NA Yes 5,6%2024 H1059 Helmet Room Clamp Spill Ring Clamp - 5050 NA Yes 5,6%2024 H1059 Helmet Room Clamp Spill Ring Clamp - 5050 NA Yes 5,6%2024 H1059 Helmet Room Headform DOT Medium (Reference) NA Yes 5,6%2024 H1050 Helmet Room Headform DOT Medium (Reference) NA Yes 5,6%2024 H1051 Helmet Room Headform DOT Medium (Reference) NA Yes 5,6%2024 H1051 Helmet Room Headform DOT Medium (Reference) NA Yes 5,6%2024 H1107 Helmet Room Headform DOT Medium (Refer | | | | | | | | | |
| H1052 HelmeR Room | | | | DOT Large (Impact) | | | | | |
| H1055 Helmer Room | | | | | | | | | |
| H1055 HelmeR Room | | | | | | | | | |
| Helmet Room | | | | | NA | Yes | | | |
| Helmet Room | | Helmet Room | Anvil | | NA | Yes | | | |
| Holfor Holmer Room | | Helmet Room | Anvil | Triangular Hazard | NA | Yes | | | |
| H1066 Helmet Room | | | | Hemispherical - Yellow tower | | Yes | | | |
| Helmet Room | | | | | C240812-01 | | | | |
| Homer Room | | | | Penetration Magnetic Carriage | | | | | |
| H1093 | | | | | | | | | |
| Helmet Room | | | | | | | | | |
| Holmet Room | | | | | | | | | |
| H1096 | | | | | | | | | |
| Helmet Room | | | | | | | | | |
| Helmet Room | | | | | | | | | |
| Helmet Room | | | | | | | | | |
| Helmet Room | | 171. | | | | | | | |
| H1101 Helmet Room Headform DOT Small (Reference) NA Yes 4/27/2024 H1102 Helmet Room Headform DOT Medium (Reference) NA Yes 4/27/2024 H1103 Helmet Room Drop Mass Aluminum Ball Stem - Green tower NA Yes 5/6/2024 H1105 Helmet Room Drop Mass Aluminum Ball Stem - Green tower NA Yes 5/6/2024 H1106 Helmet Room Drop Mass Aluminum Ball Stem NA Yes 5/6/2024 H1107 Helmet Room Drop Mass Magnesium Ball Stem NA Yes 5/6/2024 H1108 Helmet Room Drop Mass Magnesium Ball Stem NA Yes 5/6/2024 H11123 Helmet Room Drop Mass Complete Pistol Grip - Green tower NA Yes 5/6/2024 H1124 Helmet Room Drop Mass Complete Pistol Grip - Green tower NA Yes 5/6/2024 H1125 Helmet Room Headform ISO/EN 960 C Full Headform (Reference) 6947 Yes 4/27/2024 H1126 Helmet Room Headform DOT Small (Penetration) NA Yes 4/27/2024 H1127 Helmet Room Headform DOT Small (Penetration) NA Yes 4/27/2024 H1130 Helmet Room Headform DOT Large (Penetration) NA Yes 4/27/2024 H1143 Helmet Room Fixture DOT Brow Opening 1 Inch Block NA Yes 4/28/2024 H1146 Helmet Room Fixture DOT Brow Opening 1 Inch Block NA Yes 4/28/2024 H1147 Helmet Room Mass Testing Area Preload Ballast NA Yes 4/28/2024 H1148 Helmet Room Drop Mass 10kg Positional Stability Drop Mass NA Yes 4/28/2024 H1150 Helmet Room Drop Mass DoT Penetration Striker Tip 070622-03 Yes 5/6/2024 H1189 Helmet Room Drop Mass DOT Penetration Striker Tip 070622-03 Yes 6/25/2024 H1196 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 4/28/2024 H1197 Helmet Room Drop Mass DOT Penetration Striker Tip 070622-03 Yes 6/25/2024 H1198 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 4/28/2024 H1197 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 4/28/2024 H1198 Helmet Roo | | | | | | | | | |
| H1102 Helmet Room Headform DOT Medium (Reference) NA Yes 4/27/2024 H1103 Helmet Room Headform DOT Large (Reference) NA Yes 4/27/2024 H1106 Helmet Room Drop Mass Aluminum Ball Stem Creen tower NA Yes 5/6/2024 H1106 Helmet Room Drop Mass Steel Ball Stem NA Yes 5/6/2024 H1107 Helmet Room Drop Mass Magnesium Ball Stem NA Yes 5/6/2024 H1108 Helmet Room Drop Mass Magnesium Ball Stem NA Yes 5/6/2024 H1123 Helmet Room Fixture CPSC/ASTM Roll Off Headform Base Fastened NA NA NA H1126 Helmet Room Drop Mass Complete Pistol Grip - Green tower NA Yes 5/6/2024 H1127 Helmet Room Headform ISO/EN 960 C Full Headform (Reference) 6947 Yes 4/27/2024 H1128 Helmet Room Headform DOT Small (Penetration) NA Yes 4/27/2024 H1129 Helmet Room Headform DOT Medium (Penetration) NA Yes 4/27/2024 H1130 Helmet Room Headform DOT Large (Penetration) NA Yes 4/27/2024 H1141 Helmet Room Fixture DOT Brow Opening 1 Inch Block NA Yes 4/28/2024 H1146 Helmet Room Fixture DOT Brow Opening 1 Inch Block NA Yes 4/28/2024 H1146 Helmet Room Mass Testing Area Preload Ballast NA Yes 4/28/2024 H1149 Helmet Room Drop Mass 10kg Positional Stability Drop Mass NA Yes 4/28/2024 H1150 Helmet Room Drop Mass DoT Penetration Striker Tip 070622-03 Yes 5/6/2024 H1178 Helmet Room Drop Mass DoT Penetration Block NA Yes 5/6/2024 H1196 Helmet Room Drop Mass DoT Retention Striker Tip 070622-03 Yes 5/6/2024 H1197 Helmet Room Fixture DOT Retention Drop Mass DOT Penetration Block NA Yes 4/28/2024 H1198 Helmet Room Fixture DOT Retention Striker Tip 070622-03 Yes 5/6/2024 H1197 Helmet Room Fixture DOT Retention LVDT Complete Pistol Grip - Yellow tower NA Yes 4/28/2024 H1198 Helmet Room Fixture DOT Retention LVDT Complete Pistol Grip - Yellow tower Sackup) NA Yes | | | | | | | | | |
| H1103 | | | | | | | | | |
| H1105 | | | - | | | 9 | | | |
| Helmet Room Drop Mass Magnesium Ball Stem NA Yes 5/6/2024 | H1105 | Helmet Room | Drop Mass | | NA NA | Yes | | | |
| H1123 Helmet Room Fixture CPSC/ASTM Roll Off Headform Base Fastened Plate H1126 Helmet Room Drop Mass Complete Pistol Grip - Green tower NA Yes 5/6/2024 H1127 Helmet Room Headform ISO/EN 960 C Full Headform (Reference) 6947 Yes 4/27/2024 H1128 Helmet Room Headform DOT Small (Penetration) NA Yes 4/27/2024 H1129 Helmet Room Headform DOT Medium (Penetration) NA Yes 4/27/2024 H1130 Helmet Room Headform DOT Large (Penetration) NA Yes 4/27/2024 H1143 Helmet Room Headform DOT Brow Opening 1 Inch Block NA Yes 4/28/2024 H1146 Helmet Room Fixture DOT Brow Opening 1 Inch Block NA Yes 6/25/2024 H1149 Helmet Room Mass Testing Area Preload Ballast NA Yes 4/28/2024 H1150 Helmet Room Drop Mass 10kg Positional Stability Drop Mass NA Yes 4/28/2024 H1178 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 5/6/2024 H1179 Helmet Room Drop Mass DOT Penetration Striker Tip 070622-03 Yes 6/25/2024 H1190 Helmet Room Fixture DOT Retention Indehine Static Load - SB033 (New) NA Yes 6/25/2024 H1197 Helmet Room Fixture DOT Retention LVDT Calibration Block NA Yes 5/6/2024 H1197 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower (Backup) 120122-07 Yes 5/6/2024 H11213 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower (Backup) NA Yes 5/6/2024 H1213 Helmet Room Drop Mass Ball Stem - Yellow tower (Backup) NA Yes 5/6/2024 H1213 Helmet Room Fixture DOT Retention LVDT Calibration Block NA Yes 5/6/2024 H1213 Helmet Room Fixture DOT Retention Striegt Fixture NA Yes 5/6/2024 H1213 Helmet Room Fixture Penetration Strength Fixture NA Yes 6/25/2024 H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | H1106 | Helmet Room | | Steel Ball Stem | NA O | Yes | 5/6/2024 | | |
| Harman H | H1107 | Helmet Room | Drop Mass | Magnesium Ball Stem | NA O | Yes | 5/6/2024 | | |
| Helmet Room | H1123 | Helmet Room | Fixture | | CNA | NA | NA | | |
| H1128Helmet RoomHeadformDOT Small (Penetration)NAYes4/27/2024H1129Helmet RoomHeadformDOT Medium (Penetration)NAYes4/27/2024H1130Helmet RoomHeadformDOT Large (Penetration)NAYes4/27/2024H1143Helmet RoomFixtureDOT Brow Opening 1 Inch BlockNAYes4/28/2024H1146Helmet RoomFixtureDOT Penetration Height StickNAYes6/25/2024H1149Helmet RoomMassTesting Area Preload BallastNAYes4/28/2024H1150Helmet RoomDrop Mass10kg Positional Stability Drop MassNAYes4/28/2024H1178Helmet RoomDrop MassComplete Pistol Grip - Yellow towerNAYes5/6/2024H1179Helmet RoomDrop MassAluminum Ball Stem - Yellow towerNAYes5/6/2024H1189Helmet RoomDrop MassDOT Retention Striker Tip070622-03Yes6/25/2024H1196Helmet RoomFixtureDOT Retention LVDT Calibration BlockNAYes4/28/2024H1197Helmet RoomFixtureDOT Retention LVDT Calibration BlockNAYes5/6/2024H1204Helmet RoomDrop MassComplete Pistol Grip - Yellow tower (Backup)NAYes5/6/2024H1213Helmet RoomFixtureCPSC/ASTM Dynamic Retention Strength FixtureNAYes5/6/2024H1229Helmet RoomFixture <td< td=""><td>H1126</td><td>Helmet Room</td><td>Drop Mass</td><td>Complete Pistol Grip - Green tower</td><td>NA NA</td><td>Yes</td><td>5/6/2024</td></td<> | H1126 | Helmet Room | Drop Mass | Complete Pistol Grip - Green tower | NA NA | Yes | 5/6/2024 | | |
| H1129 Helmet Room Headform DOT Medium (Penetration) NA Yes 4/27/2024 H1130 Helmet Room Headform DOT Large (Penetration) NA Yes 4/27/2024 H1143 Helmet Room Fixture DOT Brow Opening 1 Inch Block NA Yes 4/28/2024 H1146 Helmet Room Fixture DOT Penetration Height Stick NA Yes 6/25/2024 H1149 Helmet Room Mass Testing Area Preload Ballast NA Yes 4/28/2024 H1150 Helmet Room Drop Mass 10kg Positional Stability Drop Mass NA Yes 4/28/2024 H1178 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 5/6/2024 H1179 Helmet Room Drop Mass DOT Penetration Striker Tip 070622-03 Yes 6/25/2024 H1189 Helmet Room Fixture DOT Retention Machine Static Load - SB033 (New) NA Yes 4/28/2024 H1197 Helmet Room Fixture DOT Retention LVDT Calibration Block NA Yes Pending H1204 Helmet Room Drop Mass Ball Stem - Yellow tower (Backup) 120122-07 Yes 5/6/2024 H1205 Helmet Room Drop Mass Ball Stem - Yellow tower (Backup) NA Yes 5/6/2024 H1213 Helmet Room Fixture Penetration Strength Fixture NA Yes 4/28/2024 H1213 Helmet Room Fixture Penetration Strength Fixture NA Yes 4/28/2024 H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | H1127 | Helmet Room | Headform | | 6947 | Yes | 4/27/2024 | | |
| H1130 Helmet Room Headform DOT Large (Penetration) NA Yes 4/27/2024 H1143 Helmet Room Fixture DOT Brow Opening 1 Inch Block NA Yes 4/28/2024 H1146 Helmet Room Fixture DOT Penetration Height Stick NA Yes 6/25/2024 H1149 Helmet Room Mass Testing Area Preload Ballast NA Yes 4/28/2024 H1150 Helmet Room Drop Mass 10kg Positional Stability Drop Mass NA Yes 4/28/2024 H1178 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 5/6/2024 H1179 Helmet Room Drop Mass DOT Penetration Striker Tip 070622-03 Yes 6/25/2024 H1189 Helmet Room Fixture DOT Retention Machine Static Load - SB033 (New) NA Yes 4/28/2024 H1196 Helmet Room Fixture DOT Retention LVDT Calibration Block NA Yes Pending H1204 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower (Backup) 120122-07 Yes 5/6/2024 H1205 Helmet Room Drop Mass Ball Stem - Yellow tower (Backup) NA Yes 5/6/2024 H1213 Helmet Room Fixture CPSC/ASTM Dynamic Retention Strength Fixture NA Yes 4/28/2024 H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | | Helmet Room | Headform | DOT Small (Penetration) | NA | Yes | | | |
| H1143 Helmet Room Fixture DOT Brow Opening 1 Inch Block NA Yes 4/28/2024 H1146 Helmet Room Fixture DOT Penetration Height Stick NA Yes 6/25/2024 H1149 Helmet Room Mass Testing Area Preload Ballast NA Yes 4/28/2024 H1150 Helmet Room Drop Mass 10kg Positional Stability Drop Mass NA Yes 4/28/2024 H1178 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 5/6/2024 H1179 Helmet Room Drop Mass Aluminum Ball Stem - Yellow tower NA Yes 5/6/2024 H1189 Helmet Room Drop Mass DOT Penetration Striker Tip 070622-03 Yes 6/25/2024 H1196 Helmet Room Fixture DOT Retention Machine Static Load - SB033 (New) NA Yes 4/28/2024 H1197 Helmet Room Fixture DOT Retention LVDT Calibration Block NA Yes Pending H1204 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower (Backup) 120122-07 Yes 5/6/2024 H1205 Helmet Room Drop Mass Ball Stem - Yellow tower (Backup) NA Yes 5/6/2024 H1213 Helmet Room Fixture CPSC/ASTM Dynamic Retention Strength Fixture NA Yes 4/28/2024 H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | | | | | | | | | |
| H1146Helmet RoomFixtureDOT Penetration Height StickNAYes6/25/2024H1149Helmet RoomMassTesting Area Preload BallastNAYes4/28/2024H1150Helmet RoomDrop Mass10kg Positional Stability Drop MassNAYes4/28/2024H1178Helmet RoomDrop MassComplete Pistol Grip - Yellow towerNAYes5/6/2024H1179Helmet RoomDrop MassAluminum Ball Stem - Yellow towerNAYes5/6/2024H1189Helmet RoomDrop MassDOT Penetration Striker Tip070622-03Yes6/25/2024H1196Helmet RoomFixtureDOT Retention Machine Static Load - SB033 (New)NAYes4/28/2024H1197Helmet RoomFixtureDOT Retention LVDT Calibration BlockNAYesPendingH1204Helmet RoomDrop MassComplete Pistol Grip - Yellow tower (Backup)120122-07Yes5/6/2024H1205Helmet RoomDrop MassBall Stem - Yellow tower (Backup)NAYes5/6/2024H1213Helmet RoomFixtureCPSC/ASTM Dynamic Retention Strength FixtureNAYes4/28/2024H1229Helmet RoomFixturePenetration TubeNAYes6/25/2024 | | | | | | | | | |
| H1149 Helmet Room Mass Testing Area Preload Ballast NA Yes 4/28/2024 H1150 Helmet Room Drop Mass 10kg Positional Stability Drop Mass NA Yes 4/28/2024 H1178 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 5/6/2024 H1179 Helmet Room Drop Mass Aluminum Ball Stem - Yellow tower NA Yes 5/6/2024 H1189 Helmet Room Drop Mass DOT Penetration Striker Tip 070622-03 Yes 6/25/2024 H1196 Helmet Room Fixture DOT Retention Machine Static Load - SB033 (New) NA Yes 4/28/2024 H1197 Helmet Room Fixture DOT Retention LVDT Calibration Block NA Yes Pending H1204 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower (Backup) 120122-07 Yes 5/6/2024 H1205 Helmet Room Drop Mass Ball Stem - Yellow tower (Backup) NA Yes 5/6/2024 H1213 Helmet Room Fixture CPSC/ASTM Dynamic Retention Strength Fixture NA Yes 4/28/2024 H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | | | | | | | | | |
| H1150 Helmet Room Drop Mass 10kg Positional Stability Drop Mass NA Yes 4/28/2024 H1178 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 5/6/2024 H1179 Helmet Room Drop Mass Aluminum Ball Stem - Yellow tower NA Yes 5/6/2024 H1189 Helmet Room Drop Mass DOT Penetration Striker Tip 070622-03 Yes 6/25/2024 H1196 Helmet Room Fixture DOT Retention Machine Static Load - SB033 (New) NA Yes 4/28/2024 H1197 Helmet Room Fixture DOT Retention LVDT Calibration Block NA Yes Pending H1204 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower (Backup) 120122-07 Yes 5/6/2024 H1205 Helmet Room Drop Mass Ball Stem - Yellow tower (Backup) NA Yes 5/6/2024 H1213 Helmet Room Fixture CPSC/ASTM Dynamic Retention Strength Fixture NA Yes 6/25/2024 H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | | | | | | | | | |
| H1178 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower NA Yes 5/6/2024 H1179 Helmet Room Drop Mass Aluminum Ball Stem - Yellow tower NA Yes 5/6/2024 H1189 Helmet Room Drop Mass DOT Penetration Striker Tip 070622-03 Yes 6/25/2024 H1196 Helmet Room Fixture DOT Retention Machine Static Load - SB033 (New) NA Yes 4/28/2024 H1197 Helmet Room Fixture DOT Retention LVDT Calibration Block NA Yes Pending H1204 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower (Backup) 120122-07 Yes 5/6/2024 H1205 Helmet Room Drop Mass Ball Stem - Yellow tower (Backup) NA Yes 5/6/2024 H1213 Helmet Room Fixture CPSC/ASTM Dynamic Retention Strength Fixture NA Yes 4/28/2024 H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | | | | | | | | | |
| H1179Helmet RoomDrop MassAluminum Ball Stem - Yellow towerNAYes5/6/2024H1189Helmet RoomDrop MassDOT Penetration Striker Tip070622-03Yes6/25/2024H1196Helmet RoomFixtureDOT Retention Machine Static Load - SB033 (New)NAYes4/28/2024H1197Helmet RoomFixtureDOT Retention LVDT Calibration BlockNAYesPendingH1204Helmet RoomDrop MassComplete Pistol Grip - Yellow tower (Backup)120122-07Yes5/6/2024H1205Helmet RoomDrop MassBall Stem - Yellow tower (Backup)NAYes5/6/2024H1213Helmet RoomFixtureCPSC/ASTM Dynamic Retention Strength FixtureNAYes4/28/2024H1229Helmet RoomFixturePenetration TubeNAYes6/25/2024 | | | | | | | | | |
| H1189Helmet RoomDrop MassDOT Penetration Striker Tip070622-03Yes6/25/2024H1196Helmet RoomFixtureDOT Retention Machine Static Load - SB033 (New)NAYes4/28/2024H1197Helmet RoomFixtureDOT Retention LVDT Calibration BlockNAYesPendingH1204Helmet RoomDrop MassComplete Pistol Grip - Yellow tower (Backup)120122-07Yes5/6/2024H1205Helmet RoomDrop MassBall Stem - Yellow tower (Backup)NAYes5/6/2024H1213Helmet RoomFixtureCPSC/ASTM Dynamic Retention Strength FixtureNAYes4/28/2024H1229Helmet RoomFixturePenetration TubeNAYes6/25/2024 | | | | | | | | | |
| H1196Helmet RoomFixtureDOT Retention Machine Static Load - SB033 (New)NAYes4/28/2024H1197Helmet RoomFixtureDOT Retention LVDT Calibration BlockNAYesPendingH1204Helmet RoomDrop MassComplete Pistol Grip - Yellow tower (Backup)120122-07Yes5/6/2024H1205Helmet RoomDrop MassBall Stem - Yellow tower (Backup)NAYes5/6/2024H1213Helmet RoomFixtureCPSC/ASTM Dynamic Retention Strength FixtureNAYes4/28/2024H1229Helmet RoomFixturePenetration TubeNAYes6/25/2024 | | | | | | | | | |
| H1197Helmet RoomFixtureDOT Retention LVDT Calibration BlockNAYesPendingH1204Helmet RoomDrop MassComplete Pistol Grip - Yellow tower (Backup)120122-07Yes5/6/2024H1205Helmet RoomDrop MassBall Stem - Yellow tower (Backup)NAYes5/6/2024H1213Helmet RoomFixtureCPSC/ASTM Dynamic Retention Strength FixtureNAYes4/28/2024H1229Helmet RoomFixturePenetration TubeNAYes6/25/2024 | | | | | | | | | |
| H1204 Helmet Room Drop Mass Complete Pistol Grip - Yellow tower (Backup) 120122-07 Yes 5/6/2024 H1205 Helmet Room Drop Mass Ball Stem - Yellow tower (Backup) NA Yes 5/6/2024 H1213 Helmet Room Fixture CPSC/ASTM Dynamic Retention Strength Fixture NA Yes 4/28/2024 H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | | | | , , , | | | | | |
| H1205Helmet RoomDrop MassBall Stem - Yellow tower (Backup)NAYes5/6/2024H1213Helmet RoomFixtureCPSC/ASTM Dynamic Retention Strength FixtureNAYes4/28/2024H1229Helmet RoomFixturePenetration TubeNAYes6/25/2024 | | | | | | | | | |
| H1213 Helmet Room Fixture CPSC/ASTM Dynamic Retention Strength Fixture NA Yes 4/28/2024 H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | | | | | | | | | |
| H1229 Helmet Room Fixture Penetration Tube NA Yes 6/25/2024 | | | | | | | | | |
| | | | | | | | | | |
| THE THOUSE COME IN TAKEN I TOUGHOUS HOUSE IN THE TAKEN IN THE | H1230 | Helmet Room | Fixture | Penetration Headform Mount Holder | NA NA | NA | NA | | |

Contract File No.: 904.14204

Test File: 012

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Technician: Terry Liu Test Date: 18 July 2023

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| CALIBRATED MEASUREMENT DEVICES | | | | | | | | | |
|--------------------------------|-----------------------|--|--------------------|---------------------|----------------------|-----------------------|-----------------------|--|--|
| Asset Tag | Description of part | Model Number | Measuring Range | Accuracy | Serial Number | Last Calibrated On | Calibration Due On | | |
| H1003 | Instrument | Velocity Gate - Yellow tower | 0-8.5m/s | ±0.0001m/s | HVTG120120810-1 | 10/6/2022 | 10/5/2023 | | |
| H1004 | Instrument | Velocity Gate - Green tower | 0-6.5m/s | ±0.0001m/s | HVTG120090331-1 | 1/26/2023 | 1/25/2024 | | |
| H1006 | Instrument | Accelerometer PCB 353B18 - Yellow & Green tower | ±500g | ≤1% | 131607 | 1/26/2023 | 1/25/2024 | | |
| H1007 | Instrument | Accelerometer PCB 353B18 - Green tower | ±500g | ≤1% | 86079 | 10/5/2022 | 10/4/2023 | | |
| H1009 | Fixture | Digital Tape 16' - Yellow tower | 0-5.5m | ±0.1cm | 5027526 | 11/24/2022 | 11/23/2023 | | |
| H1010 | Instrument | CCS PC4300 - Green tower | ±500g | ≤1% | CCS120090331-1 | 1/26/2023 | 1/25/2024 | | |
| H1012 | Instrument | CPSC/ASTM Dynamic Strength LVDT - C20101007753 (Backup) | 0-50mm | ±0.1mm | C20101007753 | 11/22/2022 | 11/21/2023 | | |
| H1014 | Instrument | DOT Retention System LVDT - LWE-200 | 0-100mm | ±0.1mm | 2002572 | 11/22/2022 | 11/21/2023 | | |
| H1025 | Fixture | Electronic Scale - BT-6 | 0-6kg | ±0.1g | 12230126 | 6/26/2023 | 6/25/2024 | | |
| H1026 | Fixture | Laser Table - SB005 | 0-450mm, 0-20° | ±1mm, ±1° | TLTV2KB-20090403-1 | 11/22/2022 | 11/21/2023 | | |
| H1030 | Conditioning | Oven #1 - 92*9240MBE | 0-200°C | ±0.1°C | 8285 | 6/26/2023 | 6/25/2024 | | |
| H1031 | Conditioning | Oven #2 - DHG-9426 | 0-200°C | ±0.1°C | 1503338018 | 11/22/2022 | 11/21/2023 | | |
| H1032 | Conditioning | Freezer #1 - DW-25W300 | -30~-10°C | ±0.1°C | BE062100N00B29578VMO | 6/26/2023 | 6/25/2024 | | |
| H1033 | Environmental chamber | Freezer #2 - DW-50W225 | -30~-10°C | ±0.1°C | F8LMJ | 11/22/2022 | 11/21/2023 | | |
| H1036 | Fixture | Hygrothermograph #1 - TH-602F | -30~60°C, 0-100% | ±1°C | 3238 | 6/28/2023 | 6/27/2024 | | |
| H1057 | Anvil | Edge | NA | NA | NA | 10/27/2020 | 10/26/2023 | | |
| H1058 | Anvil | Equestrian Hazard | NA | NA | NA | 10/27/2020 | 10/26/2023 | | |
| H1061 | Anvil | Skate Blade | NA | NA | NA | 10/27/2020 | 10/26/2023 | | |
| H1063 | Fixture | Digital tape - 5m | 0-5m | ±0.1mm | 78223 | 11/24/2022 | 11/23/2023 | | |
| H1064 | Instrument | CCS PC4400 - Yellow tower | ±500a | ≤1% | CCS120120810-1 | 1/26/2023 | 1/25/2024 | | |
| H1070 | Instrument | DOT Retention System Load Cell - 9363-B10-300-20T1 | 0-300lb | ±0.1kg | 80310843 | 6/26/2023 | 6/25/2024 | | |
| H1072 | Fixture | Hygrothermograph #4 - TH600B | -20~100°C, 0-100% | ±1°C | Q/MDS001-2017-2 | 6/27/2023 | 6/26/2024 | | |
| H1073 | Fixture | Height Gauge | 0-500mm | ±0.01mm | 8811213838273610 | 11/22/2022 | 11/21/2023 | | |
| H1074 | Fixture | Digital Vernier Caliper - SJ-455615 | 0-150mm | ±0.01mm | 455615 | 11/22/2022 | 11/21/2023 | | |
| H1075 | Fixture | Digital Level - SPI TRONIC Pro 360 | 0-360° | ±0.1° | 31-038-3 | 11/24/2022 | 11/23/2023 | | |
| H1076 | Instrument | Calorifier - CN-111 | 18-35°C | ±0.1°C | NA | 11/25/2022 | 11/24/2023 | | |
| H1077 | Fixture | ACT Tape | 0-1.5m | ±1mm | NA | 11/24/2022 | 11/23/2023 | | |
| H1117 | Fixture | Helmet Internal Circumference Measure Tool | 49-62cm | ±1mm | O X NA | 11/24/2022 | 11/23/2023 | | |
| H1172 | Fixture | Height Measurement Rod #6 | 600±5mm | ±1mm | 032216-02 | 6/24/2022 | 6/23/2025 | | |
| H1174 | Anvil | MEP Pad | NA | NA CO | 021921-01 | 2022 yearly report | 2023 yearly report | | |
| H1180 | Instrument | CPSC/ASTM LVDT & Sensor Box | 2 Inch | ±0.1mm | 04140748-001 | 11/22/2022 | 11/21/2023 | | |
| H1184 | Instrument | Accelerometer PCB 353B18 - Yellow tower | ±500g | 9 ≤1% | LW226664 | 10/5/2022 | 10/4/2023 | | |
| H1190 | Environmental chamber | Oven - KH-120A | 5-250°C | ±0.1°C | 2201-020 | 11/22/2022 | 11/21/2023 | | |
| H1193 | Fixture | I-square | 150*100mm | ±1mm | SJT-43008 | 11/24/2022 | 11/23/2023 | | |
| H1194 | Fixture | Triangular Ruler | 190mm | ±1mm | SJT-43111 | 11/25/2022 | 11/24/2023 | | |
| H1198 | Instrument | LVDT Volfa LWE-200 (Head) - DOT Retention | 0-150mm | ±1mm | NA | 3/10/2023 | 3/9/2024 | | |
| H1199 | Instrument | LVDT Volfa LWE-200 - DOT Retention Machine | 0-150mm | ±1mm | NA | 3/10/2023 | 3/9/2024 | | |
| H1200 | Instrument | VPG load cell - 9363-B10-500-20T1 - DOT Retention Machine | 0-500lb | ±0.1kg | 90139705 | 3/10/2023 | 3/9/2024 | | |
| H1210 | Fixture | Peripheral Vision | 105° Both sides | 105° | NA | 4/27/2023 | 4/26/2026 | | |
| H1214 | Instrument | DOT Retention System LVDT (Head) - LWE-200 | 0-50mm | ±0.1mm | 27008-10 | 4/28/2023 | 4/27/2024 | | |
| H1216 | Fixture | Digital Vernier Caliper - GLA13S | 0-300mm | ±0.03mm; ±0.04mm | K23D014332 | 5/17/2023 | 5/16/2024 | | |
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 2. The report is not valid if altered.
- 3. Claims have to be made within 15 days after receipt of this report.
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- The results apply to the samples as received.

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- 7. The results of this test report apply ASTM E29:2022 Rounding Method, unless otherwise requested or noted within the report.
- Decision rule applied according to "ILAC-G8:09/2019 Guidelines on the Reporting of Compliance with Specification".

END OF REPORT

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