

SAFETY COMPLIANCE TESTING FOR FMVSS No. 218 MOTORCYCLE HELMETS

Brand: NOSS, MHX
Model: NS-801, MX-196
Tested Size: M (57-58 cm)

To also include sizes S (55-56 cm) and L (59-60 cm) with same shell and EPS liner size.

Prepared For:

SIGNX S.A. DE C.V.
LAGO CHAPALA 54 COL.ANAHUAC II SECCION C.P. 11320 ALCALDIA
MIGUEL HIDALGO CIUDAD DE MEXICO



Issue Date: 17 August 2022

Final Report: 1779.11606.001Rev.2

This is a 2nd revision of report number 1779.11606.001 but with updated certification label and address information.

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

This document shall not be reproduced except in full without written approval from ACT Lab LLC.



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated April 2017.) The Joint Communiqué is available on publications and resources page of the ILAC website at <http://www.ilac.org>. Accreditation listing and certificate can be found at <http://www.iasonline.org>.

Contract File No.: 1779.11606

Test File: 001

Control Document: Official ACT FMVSS No.218 Report Template TP-07 CN 18 April 2022 Rev.19

SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/FMVSS No.218

Technician: Edward Wang

Test Date: 11 August 2022

TABLE OF CONTENTS

<u>PURPOSE OF COMPLIANCE TEST</u>	3
<u>HELMET DATA</u>	4
<u>TEST DATA</u>	12
<u>APPENDIX A</u>	26
<u>INTERPRETATIONS OR DEVIATIONS FROM FMVSS 218</u>	26
<u>APPENDIX B</u>	27
<u>EQUIPMENT LIST AND CALIBRATION SCHEDULES</u>	27
<u>APPENDIX C</u>	30

PURPOSE OF COMPLIANCE TEST

Purpose:

The purpose of this test was to determine if the motorcycle helmets supplied by:

Zhejiang Hengtai Motorcycle Fittings Co., Ltd.

Met the requirements of

Federal Motor Vehicle Safety Standard No. 218: Motorcycle Helmets effective May 13, 2013.

All samples received were in good condition and appropriate for these tests.

Test Procedure:

This test was performed following TP-218-07 and ACT Lab Helmet Cadex Testing Manual 2.3

HELMET DATA

HELMET BRAND NAME: NOSS, MHX

HELMET MODEL DESIGNATION: NS-801, MX-196

HELMET MANUFACTURER: Zhejiang Hengtai Motorcycle Fittings Co., Ltd.

HELMET SIZE: M (57-58 cm)

HELMET COVERAGE: Partial: _____ Full: _____ Complete: X

HELMET POSITIONING INDEX: 40 mm

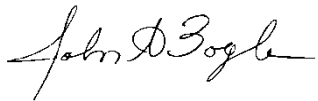
SHELL MATERIAL: ABS Plastics

LINER MATERIAL: Expanded Polystyrene

BUCKLE DESCRIPTION: Quick Release Ratchet

HELMET	A Ambient	B Low Temp	C High Temp	D Water Immersed	E Spare
SHELL COLOR/PATTERN	Black	Black	Black	Black	---
WEIGHT (grams)	1467	1462	1464	1458	---
MONTH & YEAR OF MANUFACTURE	06/22	06/22	06/22	06/22	---

Reviewed by: John Bogler



COMMENTS:

1. All helmets were received in undamaged condition and were appropriate for testing.
2. Weights listed above for helmets A-D are as tested with face shield removed.
3. This is a complete coverage helmet with modular flip up chin bar.
4. ACT determined the HPI information prior to testing.

SUMMARY OF TEST RESULTS

INDICATE Pass or Fail

HELMET	A	B	C	D
TEST	AMBIENT	LOW TEMP	HIGH TEMP	WATER IMMERSED
IMPACT	Pass	Pass	Pass	Pass
PENETRATION	Pass	Pass	Pass	Pass
RETENTION	Pass	Pass	Pass	Pass

INDICATE Pass or Fail

TEST	PASS/FAIL
PERIPHERAL VISION	Pass
LABELING	*Pass

COMMENT:

- S5.6 Labeling: *Client has supplied digital artwork for section 5.6.1, ACT has only evaluated that the required content is present.

SELECTION OF APPROPRIATE HEADFORM

Paragraph S6.1 - If the helmet size designation falls into more than one of three size ranges, it shall be tested on each appropriate headform.

HELMET SIZE DESIGNATION	HEADFORM SIZE
Less than or equal to 6-3/4 (European Size 54)	SMALL
Greater than 6-3/4, but less than or equal to 7-1/2 (European Size 60)	MEDIUM
Greater than 7-1/2 (European 60)	LARGE

COMMENTS:

The manufacturer marked the helmet with its corresponding discrete size: M (57-58 cm), Headform Size: DOT MEDIUM.

CONDITIONING FOR TESTING — Paragraph S6.4 — The protective headgear shall be conditioned for not less than 4 hours and no more than 24 hours, in the specified environmental condition shown below, prior to test.

Ambient Conditions	16°C to 26°C (61°F to 79°F); 30% to 70% Relative Humidity
Low Temperature	-15°C to -5°C (5°F to 23°F)
High Temperature	45°C to 55°C (113°F to 131°F)
Water Immersion	16°C to 26°C (61°F to 79°F)

The maximum time during which the protective headgear may be out of the conditioning environment shall not exceed 4 minutes. It must then be returned to the conditioned environment for a minimum of 3 minutes for each minute or portion of a minute in excess of 4 minutes out of the conditioning environment or 12 hours, whichever is less, prior to resumption of testing.

AVERAGE LAB TEMPERATURE : 22 °C ; AVERAGE LAB HUMIDITY : 57 %

IMPACT ATTENUATION

Helmet ID	Condition	Impact #	Impact Location	Anvil	Drop Height (cm)	Velocity (m/sec)	Duration at 150G (ms)	Duration at 200G (ms)	Peak Acc. (g)	Pass/Fail
1779.11606.001-A	Ambient	1	RT FRONT	FLAT	192.0	5.9572	2.87	0.00	178.4	Pass
1779.11606.001-A	Ambient	2	RT FRONT	FLAT	192.0	6.0346	2.87	0.20	200.6	Pass
1779.11606.001-A	Ambient	3	LF REAR	FLAT	192.0	6.0332	2.00	0.00	188.1	Pass
1779.11606.001-A	Ambient	4	LF REAR	FLAT	192.0	6.0275	3.58	0.38	205.2	Pass
1779.11606.001-A	Ambient	5	LF FRONT	HEMI	145.0	5.2679	0.00	0.00	91.3	Pass
1779.11606.001-A	Ambient	6	LF FRONT	HEMI	145.0	5.2649	0.00	0.00	125.9	Pass
1779.11606.001-A	Ambient	7	RT REAR	HEMI	145.0	5.2424	0.00	0.00	130.5	Pass
1779.11606.001-A	Ambient	8	RT REAR	HEMI	145.0	5.2723	0.00	0.00	108.4	Pass
1779.11606.001-B	Cold	1	RT FRONT	FLAT	192.0	6.0316	3.00	0.00	182.6	Pass
1779.11606.001-B	Cold	2	RT FRONT	FLAT	192.0	6.0153	2.92	1.72	214.9	Pass
1779.11606.001-B	Cold	3	LF REAR	FLAT	192.0	6.0728	2.76	0.00	184.4	Pass
1779.11606.001-B	Cold	4	LF REAR	FLAT	192.0	6.0496	3.48	0.09	202.0	Pass
1779.11606.001-B	Cold	5	LF FRONT	HEMI	145.0	5.2731	0.00	0.00	106.5	Pass
1779.11606.001-B	Cold	6	LF FRONT	HEMI	145.0	5.2607	0.00	0.00	139.7	Pass
1779.11606.001-B	Cold	7	RT REAR	HEMI	145.0	5.2396	0.00	0.00	136.0	Pass
1779.11606.001-B	Cold	8	RT REAR	HEMI	145.0	5.2534	0.00	0.00	144.8	Pass
1779.11606.001-C	Hot	1	RT FRONT	FLAT	192.0	6.0260	1.70	0.00	166.9	Pass
1779.11606.001-C	Hot	2	RT FRONT	FLAT	192.0	6.0061	2.82	0.26	201.5	Pass
1779.11606.001-C	Hot	3	LF REAR	FLAT	192.0	6.0582	2.72	0.00	178.0	Pass
1779.11606.001-C	Hot	4	LF REAR	FLAT	192.0	6.0525	2.89	0.74	207.5	Pass
1779.11606.001-C	Hot	5	LF FRONT	HEMI	145.0	5.2475	0.00	0.00	90.4	Pass
1779.11606.001-C	Hot	6	LF FRONT	HEMI	145.0	5.2464	0.00	0.00	126.3	Pass
1779.11606.001-C	Hot	7	RT REAR	HEMI	145.0	5.2640	0.00	0.00	127.7	Pass
1779.11606.001-C	Hot	8	RT REAR	HEMI	145.0	5.2771	0.00	0.00	140.2	Pass
1779.11606.001-D	Wet	1	RT FRONT	FLAT	192.0	5.9954	1.23	0.00	168.8	Pass
1779.11606.001-D	Wet	2	RT FRONT	FLAT	192.0	6.0484	2.81	0.00	197.8	Pass
1779.11606.001-D	Wet	3	LF REAR	FLAT	192.0	6.0723	2.78	0.00	170.1	Pass
1779.11606.001-D	Wet	4	LF REAR	FLAT	192.0	6.0539	2.77	0.68	207.9	Pass
1779.11606.001-D	Wet	5	LF FRONT	HEMI	145.0	5.2471	0.00	0.00	92.7	Pass
1779.11606.001-D	Wet	6	LF FRONT	HEMI	145.0	5.2632	0.00	0.00	112.5	Pass
1779.11606.001-D	Wet	7	RT REAR	HEMI	145.0	5.2536	0.00	0.00	119.0	Pass
1779.11606.001-D	Wet	8	RT REAR	HEMI	145.0	5.2234	0.00	0.00	136.9	Pass

Contract File No.: 1779.11606

Test File: 001

Control Document: Official ACT FMVSS No.218 Report Template TP-07 CN 18 April 2022 Rev.19

SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/FMVSS No.218

Technician: Edward Wang

Test Date: 11 August 2022

PENETRATION

Paragraph S5.2 and S7.2

WEIGHT OF STRIKER: 2.95 to 3.06 kg (6 pounds, 8 ounces to 6 pounds, 12 ounces)

POINT OF STRIKER: Radius = 0.5 ± 0.1 mm (0.02 ± 0.004 in.), included angle of $60^\circ \pm 0.5^\circ$, hardness minimum of 60 Rockwell "C" Scale and a cone height of not less than 3.8 ± 0.038 cm (1.5 ± 0.015 in.).

HEIGHT OF FALL: $300 \text{ cm} \pm 1.5 \text{ cm}$, measured from the tip of the striker point to the outer surface of the mounted protective headgear.

FAILURE CRITERION: When tested, the protective headgear shall be failed if the penetrator has made an indentation in the headform.

TEST	HELMET	TEST LOCATION	PASS	FAIL	CONDITIONS
1	A	Crown	X		AMBIENT
2	A	Rear	X		AMBIENT
3	B	Crown	X		LOW TEMPERATURE
4	B	Rear	X		LOW TEMPERATURE
5	C	Crown	X		HIGH TEMPERATURE
6	C	Rear	X		HIGH TEMPERATURE
7	D	Crown	X		WATER IMMERSED
8	D	Rear	X		WATER IMMERSED

COMMENT: Photographs of penetration test locations are found in Appendix C.

RETENTION SYSTEM

Paragraph S5.3 and S7.3

REQUIREMENTS:

READING	APPLIED LOAD
INITIAL	22.68 kg, + 4.54 kg, - 0 kg (50.0 lbs., + 10 lbs., - 0 lbs.)
FINAL	136 kg, + 0 kg, - 2.3 kg (300.0 lbs., + 0 lbs., - 5 lbs.)

ELONGATION NOT TO EXCEED 2.54 cm (1.0 INCH) AFTER LOAD INCREASE

HELMET	CONDITIONS	ELONGATION cm
A	AMBIENT	2.22
B	LOW TEMPERATURE	1.90
C	HIGH TEMPERATURE	1.77
D	WATER IMMERSED	1.71

PERIPHERAL VISION

CONFIGURATION - Paragraph S5.4 - Helmet shall provide a minimum peripheral vision of 105° to each side of the midsagittal plane. The brow opening shall be at least 2.54 cm (1 inch) above all points in the basic plane that are within the angles of peripheral vision.

	REQUIREMENTS	TEST RESULTS
PERIPHERAL VISION	> 105°	Pass
BROW OPENING	> 2.5 cm (1 inch)	Pass

LABELING

S5.6.1 *Labeling* - Each helmet shall be permanently and legibly labeled, in a manner such that the label(s) can be easily read without removing padding or any other permanent part, with the following:

Required Information	Content/Format	Permanent
Manufacturer's name	Pass	*Pass
Discrete size	Pass	*Pass
Month and year of manufacture	Pass	*Pass
Instructions to the purchaser as follows:	-----	-----
"Shell and liner constructed of (identify type(s) of materials)."	Pass	Pass
"Helmet can be seriously damaged by some common substances without damage being visible to the user."	Pass	Pass
"Apply only the following: (Recommended cleaning agents, paints, adhesives, etc., as appropriate.)"	Pass	Pass
"Make no modifications."	Pass	Pass
"Fasten helmet securely."	Pass	Pass
"If helmet experiences a severe blow, return it to the manufacturer for inspection, or destroy it and replace it."	Pass	Pass

COMMENT:

- S5.6 Labeling: *Client has supplied digital artwork for section 5.6.1. ACT has only evaluated that the required content is present; the additional requirements for: formatting, appearance, and permanency were not evaluated.

LABELING

S5.6.2 Certification. Each helmet shall be labeled permanently and legibly with a label, constituting the manufacturer’s certification that the helmet conforms to the applicable Federal motor vehicle safety standards, that is separate from the label(s) used to comply with S5.6.1, and complies with paragraphs (a) through (c) of this section. (a) Content, format, and appearance. The label required by paragraph S5.6.2 shall have the following content, format, and appearance:

Required Certification Information	Content/ Format	Permanent
The symbol “DOT,” horizontally centered on the label, in letters not less than 0.38 inch (1.0 cm) high.	Pass	Pass
The term “FMVSS No. 218,” horizontally centered beneath the symbol DOT, in letters not less than 0.09 inches (0.23 cm) high.	Pass	
The word “CERTIFIED,” horizontally centered beneath the term “FMVSS No. 218,” in letters not less than 0.09 inches (0.23 cm) high.	Pass	
The precise model designation horizontally centered above the symbol DOT, in letters and/or numerals not less than 0.09 inch (0.23 cm) high.	Pass	
The manufacturer’s name and/or brand, horizontally centered above the model designation, in letters and/or numerals not less than 0.09 inch (0.23 cm) high.	Pass	
All symbols, letters and numerals shall be in a color that contrasts with the background of the label.	Pass	
No information, other than the information specified in subparagraph (a), shall appear on the label.	Pass	
The label shall appear on the outer surface of the helmet and be placed so that it is centered laterally with the horizontal centerline of the DOT symbol located a minimum of 1 inch (2.5 cm) and a maximum of 3 inches (7.6 cm) from the bottom edge of the posterior portion of the helmet.	Pass	

COMMENT:

- Labels were determined to be both easily read and permanent based on the TP-218-07, Section 12.5.4.

TEST DATA

Contract File No.: 1779.11606

Test File: 001

Control Document: Official ACT FMVSS No.218 Report Template TP-07 CN 18 April 2022 Rev.19
SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/FMVSS No.218

Technician: Edward Wang

Test Date: 11 August 2022

Uni-Axial Calibration

M.E.P. Pad Model

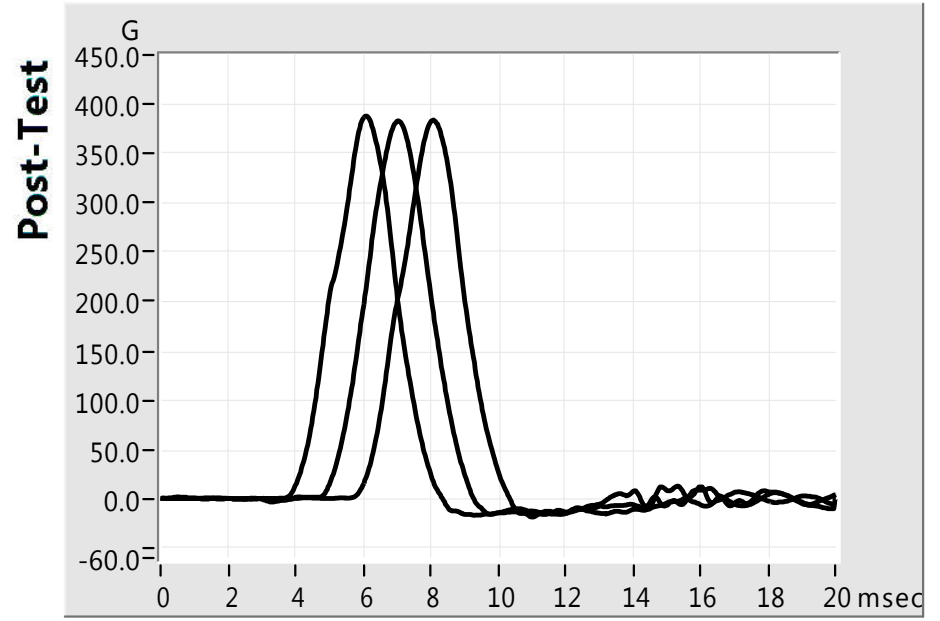
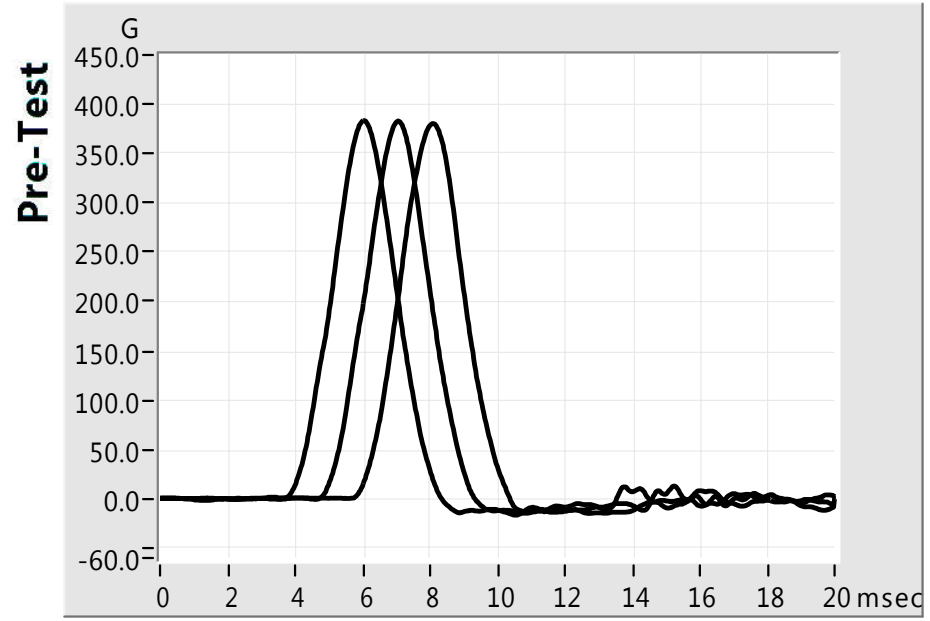
Helmet Manufacturer : HENGTAI
Address :

Laboratory Temperature deg C
 Laboratory Humidity %
 Selected Filter Frequency Hz
 Acc. sensitivity (axis Z) : mV/G
 Acc. sensitivity (axis X) : mV/G
 Acc. sensitivity (axis Y) : mV/G

Testing Laboratory : Taicang ACT Lab
 Address : No.35 Zhenghe Road, Ludu Town,
 Taicang City, Suzhou, Jiangsu Province,
 China 215412

Drop Device :
 Drop mass assembly : kg Time gate flag height : mm
 Calibration peak : G +/- G

Laboratory Technician name Edward



	Impact #	Peak Acc.(G)	HIC	Velocity IN (m/sec)	Drop Height (cm)	Anvil type	Delta T 150G (msec)	Delta T 200G (msec)	Position	Test Date	Test Time	Friction (%)	PASS or FAIL
Pre-Test	1	383.2	3428	4.7084	115.0	MEP	2.46	2.00	0/0	2022-08-11	10:16:22	0.9	Pass
	2	382.7	3391	4.6409	115.0	MEP	2.48	2.01	0/0	2022-08-11	10:17:23	2.3	Pass
	3	380.4	3454	4.7124	115.0	MEP	2.42	2.00	0/0	2022-08-11	10:18:24	0.8	Pass
Post-Test	1	387.8	3413	4.6477	115.0	MEP	2.45	2.05	0/0	2022-08-11	11:44:41	2.1	Pass
	2	382.7	3448	4.7385	115.0	MEP	2.42	2.00	0/0	2022-08-11	11:45:51	0.2	Pass
	3	383.6	3379	4.7060	115.0	MEP	2.46	2.01	0/0	2022-08-11	11:46:50	0.9	Pass

Curve impact #2 : shift of 1ms
 Curve impact #3 : shift of 2ms

Impact Uni-Axial

Testing Laboratory : Taicang ACT Lab

Address : No.35 Zhenghe Road, Ludu Town,
Taicang City, Suzhou, Jiangsu
Province, China 215412

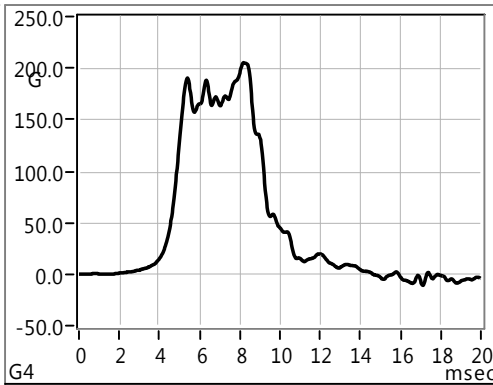
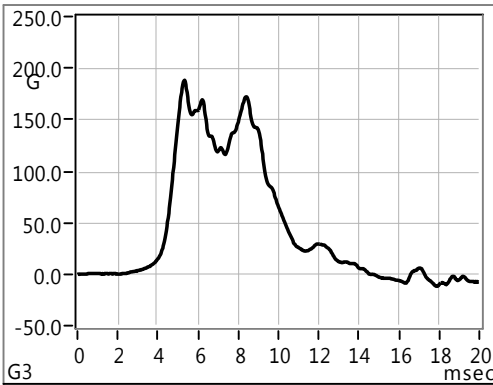
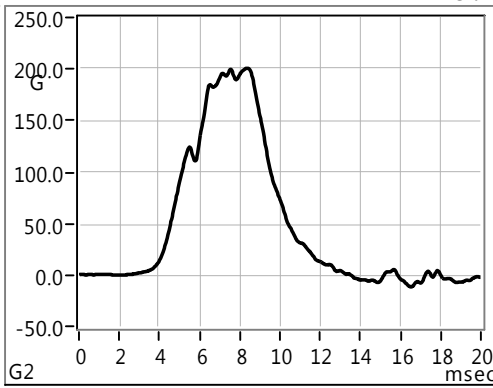
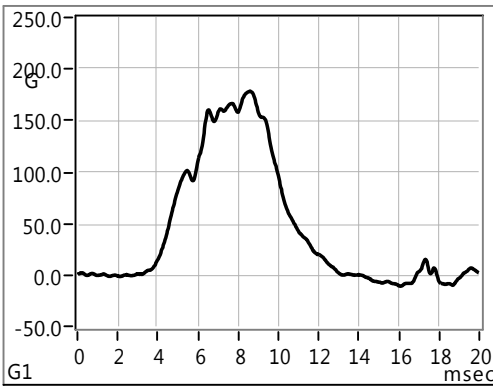
Helmet Manufacturer : HENGTAI

Address :

Laboratory Technician name : Edward

Batch Number :

Ref. P.O. Number :



Model : NS-801
Color : Black
Size : M(57-58CM)
Weight : 1467.00 g
Manufacturing Date : 11 Aug 2022
Standard Request : FMVSS 218
Identification Code : 1779.11606.001-A
Headform Model : D.O.T.
Headform Size : C D.O.T
Conditioning : Ambient
Laboratory Temperature : 22 deg C
Laboratory Humidity : 57 %
Selected Filter Frequency : 1650 Hz
Maximum Peak G's authorized : 400 G
Maximum Peak m/s² authorized : 3923 m/s²
Drop mass assembly : 5.028 kg
Time gate flag height : 25.43 mm
Acc. sensibility (axis Z) : 10.59

Impact #	Peak Acc.(G)	HIC	Velocity IN (m/sec)	Drop Height (cm)	Anvil type	Delta T 150G (msec)	Delta T 200G (msec)	Position	Test Date	Test Time	Friction (%)	PASS or FAIL
1	178.4	1184	5.9572	192.0	FLAT	2.87	0.00	RT FRONT	2022-08-11	11:31:19	2.9	Pass
2	200.6	1504	6.0346	192.0	FLAT	2.87	0.20	RT FRONT	2022-08-11	11:31:30	1.7	Pass
3	188.1	1115	6.0332	192.0	FLAT	2.00	0.00	LF REAR	2022-08-11	11:35:15	1.7	Pass
4	205.2	1577	6.0275	192.0	FLAT	3.58	0.38	LF REAR	2022-08-11	11:35:22	1.8	Pass

Impact Uni-Axial

Testing Laboratory : Taicang ACT Lab

Address : No.35 Zhenghe Road, Ludu Town,
Taicang City, Suzhou, Jiangsu
Province, China 215412

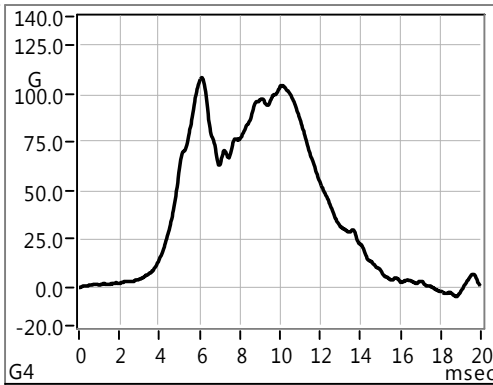
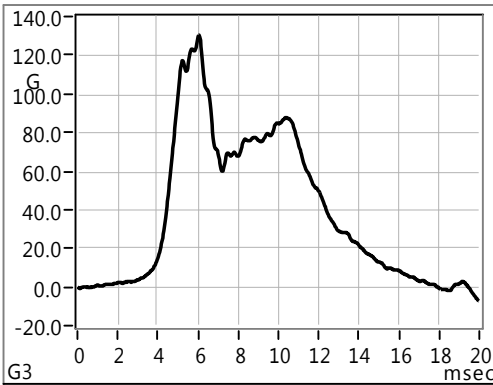
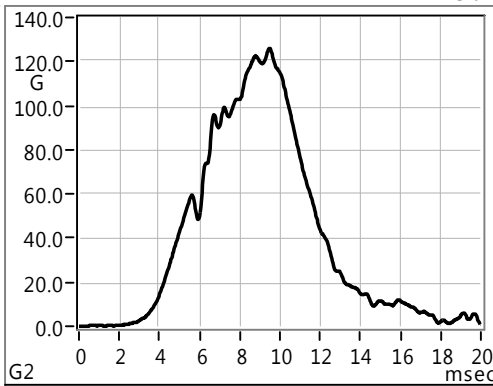
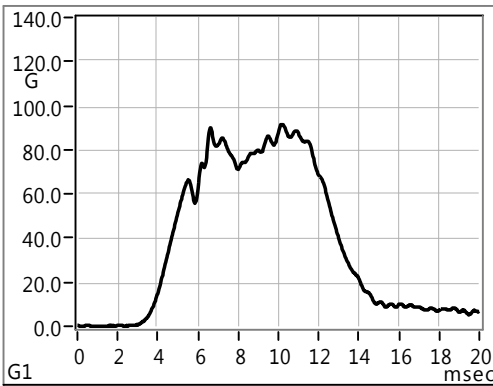
Helmet Manufacturer : HENGTAI

Address :

Laboratory Technician name : Edward

Batch Number :

Ref. P.O. Number :



Model : NS-801
Color : Black
Size : M(57-58CM)
Weight : 1467.00 g
Manufacturing Date : 11 Aug 2022
Standard Request : FMVSS 218
Identification Code : 1779.11606.001-A
Headform Model : D.O.T.
Headform Size : C D.O.T
Conditioning : Ambient
Laboratory Temperature : 22 deg C
Laboratory Humidity : 57 %
Selected Filter Frequency : 1650 Hz
Maximum Peak G's authorized : 400 G
Maximum Peak m/s2 authorized : 3923 m/s2
Drop mass assembly : 5.028 kg
Time gate flag height : 25.43 mm
Acc. sensibility (axis Z) : 10.59

Impact #	Peak Acc.(G)	HIC	Velocity IN (m/sec)	Drop Height (cm)	Anvil type	Delta T 150G (msec)	Delta T 200G (msec)	Position	Test Date	Test Time	Friction (%)	PASS or FAIL
5	91.3	394	5.2679	145.0	HEMI	0.00	0.00	LF FRONT	2022-08-11	11:38:10	1.2	Pass
6	125.9	530	5.2649	145.0	HEMI	0.00	0.00	LF FRONT	2022-08-11	11:38:16	1.3	Pass
7	130.5	439	5.2424	145.0	HEMI	0.00	0.00	RT REAR	2022-08-11	11:40:33	1.7	Pass
8	108.4	463	5.2723	145.0	HEMI	0.00	0.00	RT REAR	2022-08-11	11:40:38	1.1	Pass

Impact Uni-Axial

Testing Laboratory : Taicang ACT Lab

Address : No.35 Zhenghe Road, Ludu Town,
Taicang City, Suzhou, Jiangsu
Province, China 215412

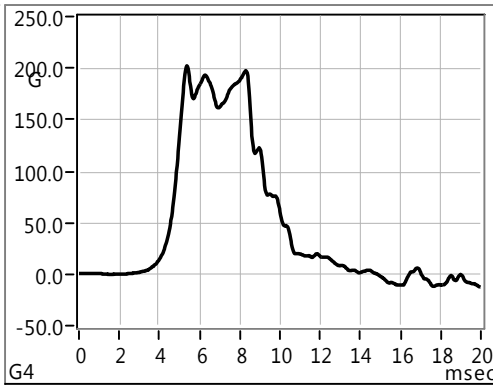
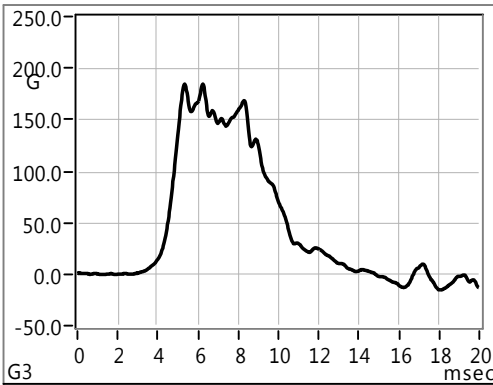
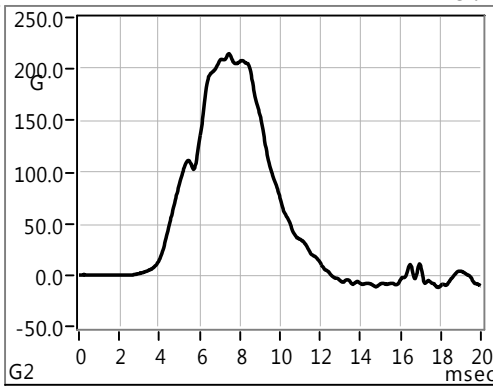
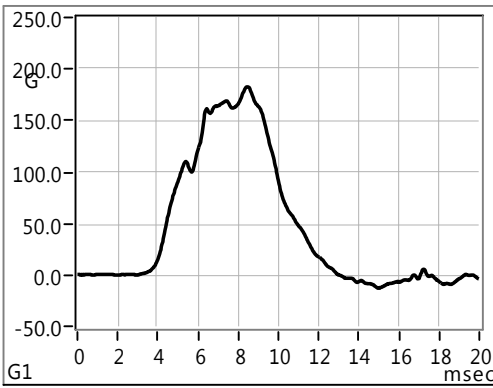
Helmet Manufacturer : HENGTAI

Address :

Laboratory Technician name : Edward

Batch Number :

Ref. P.O. Number :



Model : NS-801
 Color : Black
 Size : M(57-58CM)
 Weight : 1462.00 g
 Manufacturing Date : 11 Aug 2022
 Standard Request : FMVSS 218
 Identification Code : 1779.11606.001-B
 Headform Model : D.O.T.
 Headform Size : C D.O.T
 Conditioning : Cold
 Laboratory Temperature : 22 deg C
 Laboratory Humidity : 57 %
 Selected Filter Frequency : 1650 Hz
 Maximum Peak G's authorized : 400 G
 Maximum Peak m/s² authorized : 3923 m/s²
 Drop mass assembly : 5.028 kg
 Time gate flag height : 25.43 mm
 Acc. sensibility (axis Z) : 10.59

Impact #	Peak Acc.(G)	HIC	Velocity IN (m/sec)	Drop Height (cm)	Anvil type	Delta T 150G (msec)	Delta T 200G (msec)	Position	Test Date	Test Time	Friction (%)	PASS or FAIL
1	182.6	1282	6.0316	192.0	FLAT	3.00	0.00	RT FRONT	2022-08-11	11:11:00	1.7	Pass
2	214.9	1621	6.0153	192.0	FLAT	2.92	1.72	RT FRONT	2022-08-11	11:11:09	2.0	Pass
3	184.4	1234	6.0728	192.0	FLAT	2.76	0.00	LF REAR	2022-08-11	11:13:06	1.0	Pass
4	202.0	1587	6.0496	192.0	FLAT	3.48	0.09	LF REAR	2022-08-11	11:13:14	1.4	Pass

Impact Uni-Axial

Testing Laboratory : Taicang ACT Lab

Address : No.35 Zhenghe Road, Ludu Town,
Taicang City, Suzhou, Jiangsu
Province, China 215412

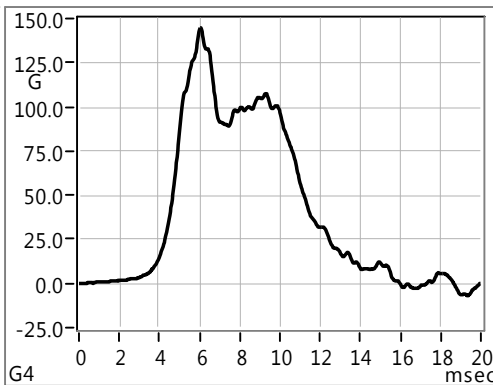
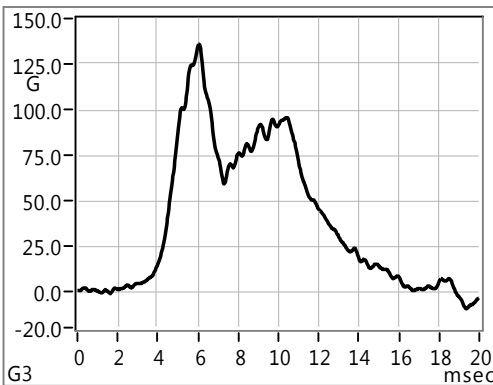
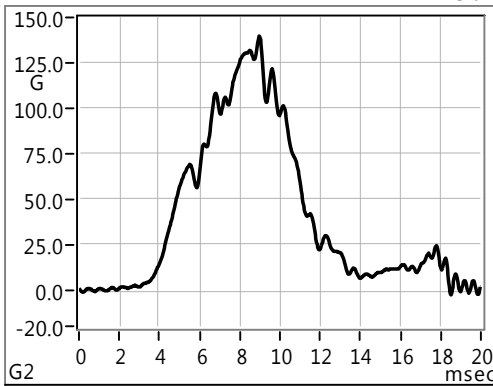
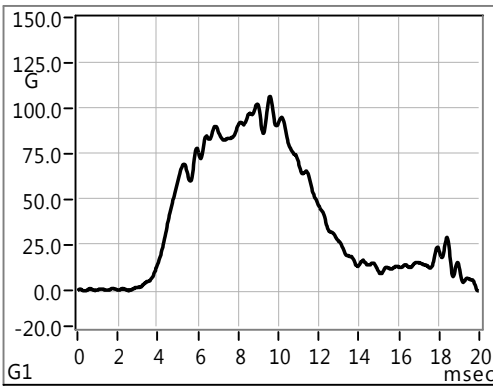
Helmet Manufacturer : HENGTAI

Address :

Laboratory Technician name : Edward

Batch Number :

Ref. P.O. Number :



Model : NS-801
Color : Black
Size : M(57-58CM)
Weight : 1462.00 g
Manufacturing Date : 11 Aug 2022
Standard Request : FMVSS 218
Identification Code : 1779.11606.001-B
Headform Model : D.O.T.
Headform Size : C D.O.T
Conditioning : Cold
Laboratory Temperature : 22 deg C
Laboratory Humidity : 57 %
Selected Filter Frequency : 1650 Hz
Maximum Peak G's authorized : 400 G
Maximum Peak m/s² authorized : 3923 m/s²
Drop mass assembly : 5.028 kg
Time gate flag height : 25.43 mm
Acc. sensibility (axis Z) : 10.59

Impact #	Peak Acc.(G)	HIC	Velocity IN (m/sec)	Drop Height (cm)	Anvil type	Delta T 150G (msec)	Delta T 200G (msec)	Position	Test Date	Test Time	Friction (%)	PASS or FAIL
5	106.5	415	5.2731	145.0	HEMI	0.00	0.00	LF FRONT	2022-08-11	11:15:51	1.1	Pass
6	139.7	570	5.2607	145.0	HEMI	0.00	0.00	LF FRONT	2022-08-11	11:16:00	1.4	Pass
7	136.0	473	5.2396	145.0	HEMI	0.00	0.00	RT REAR	2022-08-11	11:18:28	1.7	Pass
8	144.8	636	5.2534	145.0	HEMI	0.00	0.00	RT REAR	2022-08-11	11:18:36	1.5	Pass

Impact Uni-Axial

Testing Laboratory : Taicang ACT Lab

Address : No.35 Zhenghe Road, Ludu Town,
Taicang City, Suzhou, Jiangsu
Province, China 215412

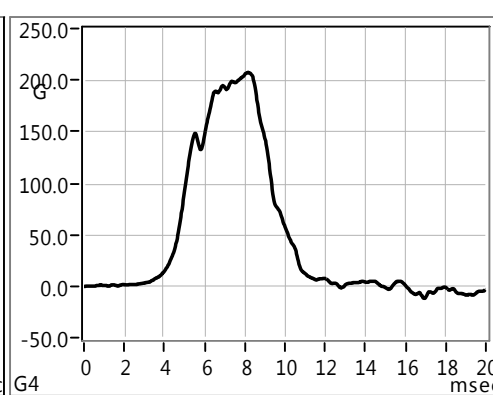
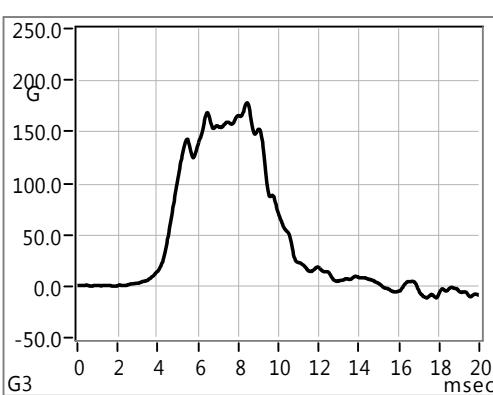
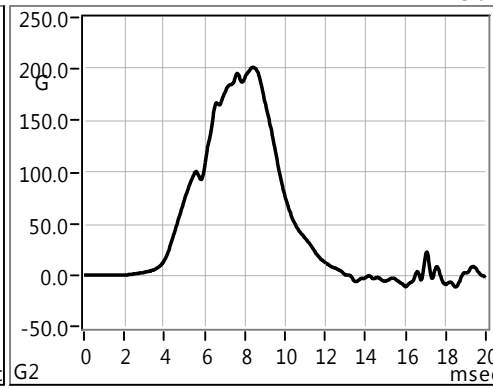
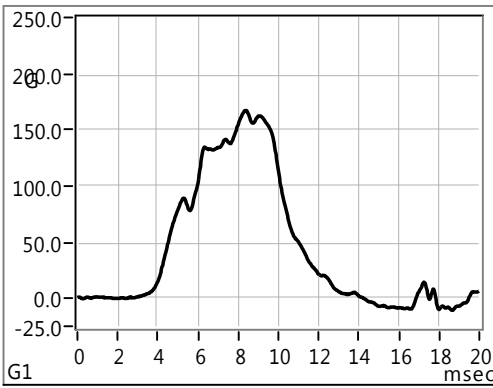
Helmet Manufacturer : HENGTAI

Address :

Laboratory Technician name : Edward

Batch Number :

Ref. P.O. Number :



Model : NS-801
 Color : Black
 Size : M(57-58CM)
 Weight : 1464.00 g
 Manufacturing Date : 11 Aug 2022
 Standard Request : FMVSS 218
 Identification Code : 1779.11606.001-C
 Headform Model : D.O.T.
 Headform Size : C D.O.T
 Conditioning : Hot
 Laboratory Temperature : 22 deg C
 Laboratory Humidity : 57 %
 Selected Filter Frequency : 1650 Hz
 Maximum Peak G's authorized : 400 G
 Maximum Peak m/s² authorized : 3923 m/s²
 Drop mass assembly : 5.028 kg
 Time gate flag height : 25.43 mm
 Acc. sensibility (axis Z) : 10.59

Impact #	Peak Acc.(G)	HIC	Velocity IN (m/sec)	Drop Height (cm)	Anvil type	Delta T 150G (msec)	Delta T 200G (msec)	Position	Test Date	Test Time	Friction (%)	PASS or FAIL
1	166.9	1023	6.0260	192.0	FLAT	1.70	0.00	RT FRONT	2022-08-11	11:33:23	1.8	Pass
2	201.5	1365	6.0061	192.0	FLAT	2.82	0.26	RT FRONT	2022-08-11	11:33:29	2.1	Pass
3	178.0	1212	6.0582	192.0	FLAT	2.72	0.00	LF REAR	2022-08-11	11:36:16	1.3	Pass
4	207.5	1592	6.0525	192.0	FLAT	2.89	0.74	LF REAR	2022-08-11	11:36:22	1.4	Pass

Impact Uni-Axial

Testing Laboratory : Taicang ACT Lab

Address : No.35 Zhenghe Road, Ludu Town,
Taicang City, Suzhou, Jiangsu
Province, China 215412

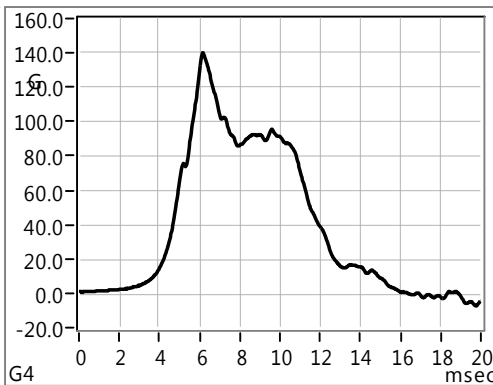
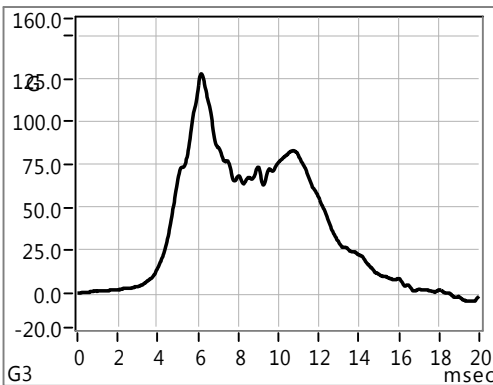
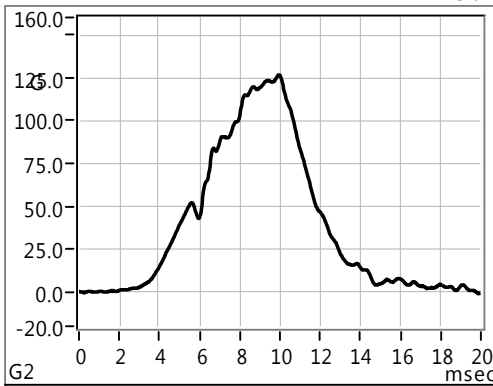
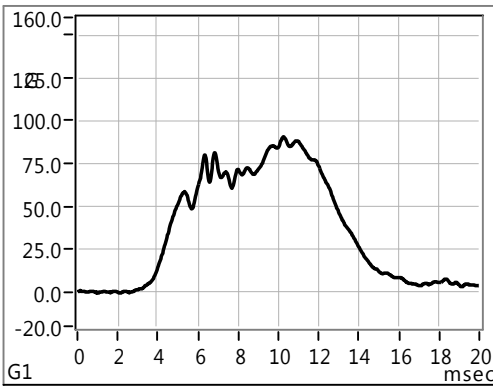
Helmet Manufacturer : HENGTAI

Address :

Laboratory Technician name : Edward

Batch Number :

Ref. P.O. Number :



Model : NS-801
 Color : Black
 Size : M(57-58CM)
 Weight : 1464.00 g
 Manufacturing Date : 11 Aug 2022
 Standard Request : FMVSS 218
 Identification Code : 1779.11606.001-C
 Headform Model : D.O.T.
 Headform Size : C D.O.T
 Conditioning : Hot
 Laboratory Temperature : 22 deg C
 Laboratory Humidity : 57 %
 Selected Filter Frequency : 1650 Hz
 Maximum Peak G's authorized : 400 G
 Maximum Peak m/s² authorized : 3923 m/s²
 Drop mass assembly : 5.028 kg
 Time gate flag height : 25.43 mm
 Acc. sensibility (axis Z) : 10.59

Impact #	Peak Acc.(G)	HIC	Velocity IN (m/sec)	Drop Height (cm)	Anvil type	Delta T 150G (msec)	Delta T 200G (msec)	Position	Test Date	Test Time	Friction (%)	PASS or FAIL
5	90.4	347	5.2475	145.0	HEMI	0.00	0.00	LF FRONT	2022-08-11	11:39:08	1.6	Pass
6	126.3	531	5.2464	145.0	HEMI	0.00	0.00	LF FRONT	2022-08-11	11:39:14	1.6	Pass
7	127.7	396	5.2640	145.0	HEMI	0.00	0.00	RT REAR	2022-08-11	11:41:16	1.3	Pass
8	140.2	546	5.2771	145.0	HEMI	0.00	0.00	RT REAR	2022-08-11	11:41:21	1.0	Pass

Impact Uni-Axial

Testing Laboratory : Taicang ACT Lab

Address : No.35 Zhenghe Road, Ludu Town,
Taicang City, Suzhou, Jiangsu
Province, China 215412

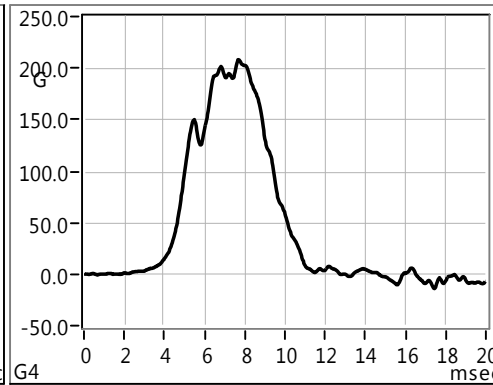
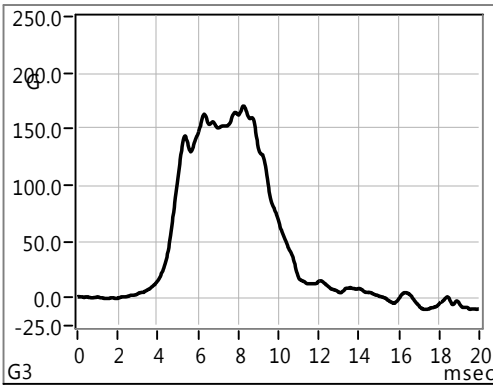
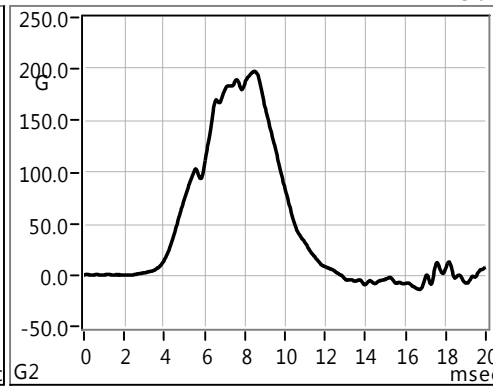
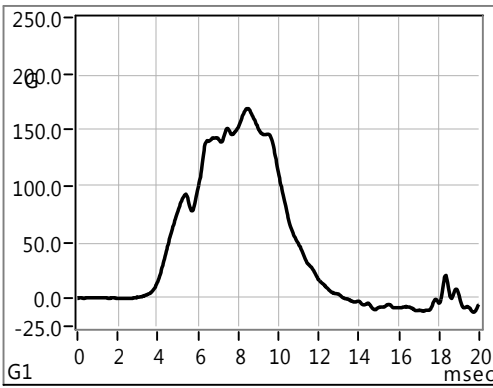
Helmet Manufacturer : HENGTAI

Address :

Laboratory Technician name : Edward

Batch Number :

Ref. P.O. Number :



Model : NS-801
 Color : Black
 Size : M(57-58CM)
 Weight : 1458.00 g
 Manufacturing Date : 11 Aug 2022
 Standard Request : FMVSS 218
 Identification Code : 1779.11606.001-D
 Headform Model : D.O.T.
 Headform Size : C D.O.T
 Conditioning : Wet
 Laboratory Temperature : 22 deg C
 Laboratory Humidity : 57 %
 Selected Filter Frequency : 1650 Hz
 Maximum Peak G's authorized : 400 G
 Maximum Peak m/s² authorized : 3923 m/s²
 Drop mass assembly : 5.028 kg
 Time gate flag height : 25.43 mm
 Acc. sensibility (axis Z) : 10.59

Impact #	Peak Acc.(G)	HIC	Velocity IN (m/sec)	Drop Height (cm)	Anvil type	Delta T 150G (msec)	Delta T 200G (msec)	Position	Test Date	Test Time	Friction (%)	PASS or FAIL
1	168.8	1023	5.9954	192.0	FLAT	1.23	0.00	RT FRONT	2022-08-11	11:32:24	2.3	Pass
2	197.8	1350	6.0484	192.0	FLAT	2.81	0.00	RT FRONT	2022-08-11	11:32:34	1.4	Pass
3	170.1	1189	6.0723	192.0	FLAT	2.78	0.00	LF REAR	2022-08-11	11:35:43	1.0	Pass
4	207.9	1551	6.0539	192.0	FLAT	2.77	0.68	LF REAR	2022-08-11	11:35:49	1.3	Pass

Impact Uni-Axial

Testing Laboratory : Taicang ACT Lab

Address : No.35 Zhenghe Road, Ludu Town,
Taicang City, Suzhou, Jiangsu
Province, China 215412

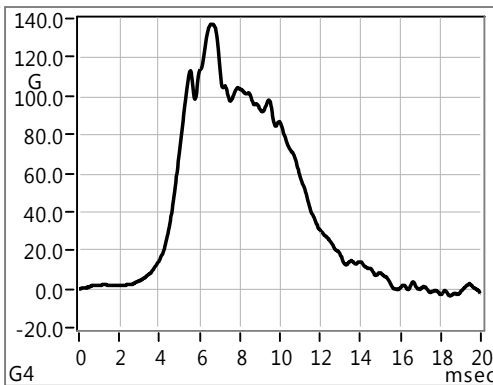
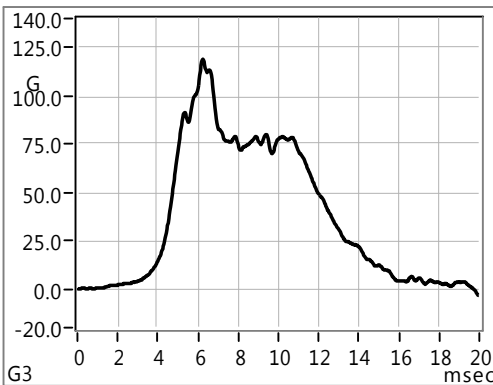
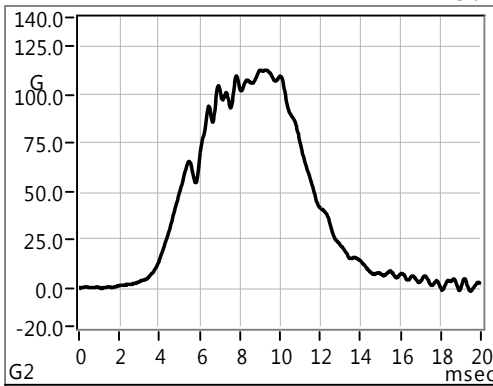
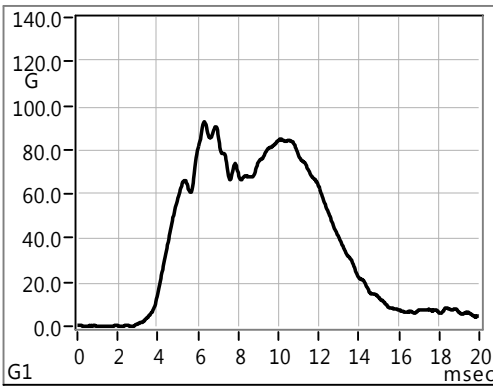
Helmet Manufacturer : HENGTAI

Address :

Laboratory Technician name : Edward

Batch Number :

Ref. P.O. Number :



Model : NS-801
Color : Black
Size : M(57-58CM)
Weight : 1458.00 g
Manufacturing Date : 11 Aug 2022
Standard Request : FMVSS 218
Identification Code : 1779.11606.001-D
Headform Model : D.O.T.
Headform Size : C D.O.T
Conditioning : Wet
Laboratory Temperature : 22 deg C
Laboratory Humidity : 57 %
Selected Filter Frequency : 1650 Hz
Maximum Peak G's authorized : 400 G
Maximum Peak m/s² authorized : 3923 m/s²
Drop mass assembly : 5.028 kg
Time gate flag height : 25.43 mm
Acc. sensibility (axis Z) : 10.59

Impact #	Peak Acc.(G)	HIC	Velocity IN (m/sec)	Drop Height (cm)	Anvil type	Delta T 150G (msec)	Delta T 200G (msec)	Position	Test Date	Test Time	Friction (%)	PASS or FAIL
5	92.7	360	5.2471	145.0	HEMI	0.00	0.00	LF FRONT	2022-08-11	11:38:40	1.6	Pass
6	112.5	505	5.2632	145.0	HEMI	0.00	0.00	LF FRONT	2022-08-11	11:38:45	1.3	Pass
7	119.0	410	5.2536	145.0	HEMI	0.00	0.00	RT REAR	2022-08-11	11:40:53	1.5	Pass
8	136.9	583	5.2234	145.0	HEMI	0.00	0.00	RT REAR	2022-08-11	11:40:58	2.1	Pass

DOT Auto – Test results

Laboratory

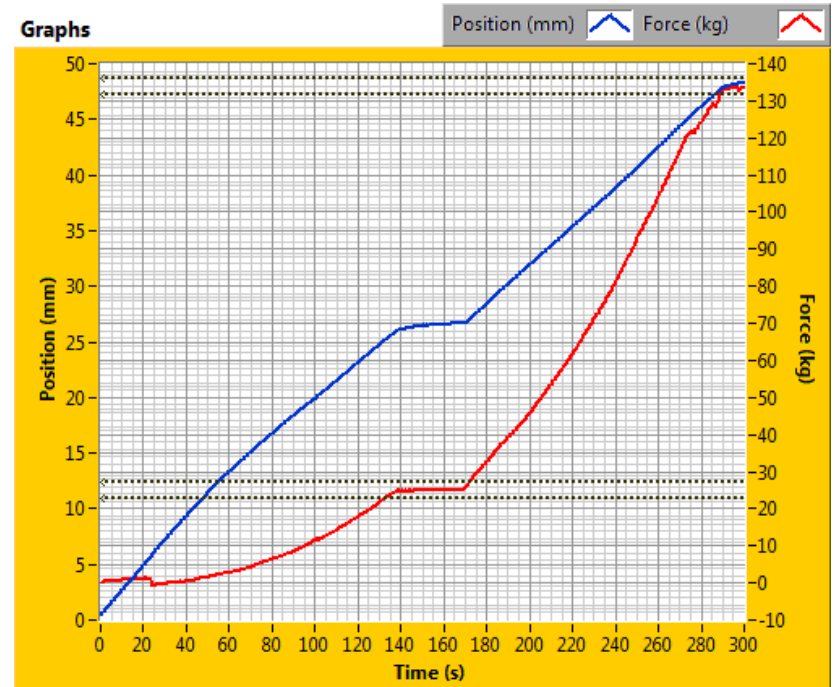
Laboratory ACT Lab
Technician Terry
Temperature 21
Humidity 57

Sample

Model NS-801
Color BLACK
Size M(57-58CM)
Weight 1467
Manufacturer HENG TAI
Manuf. Date 06/22

Infos

Standard FMVSS No.218
Comment 1779.11606.001-A



Results

Test	Time Data D/M/Y h:ms	DL ?	Status	Tar1 (Kg)	Tar1 (S)	Tar2 (Kg)	Tar2 (S)	Delta(Del1 to Del2) (mm)	Pass/Fail
Test#60	[01/01/01 00:00:00]	NO	Valid	22.7	30.0	136.0	120.0	22.2	Pass

DOT Auto – Test results

Laboratory

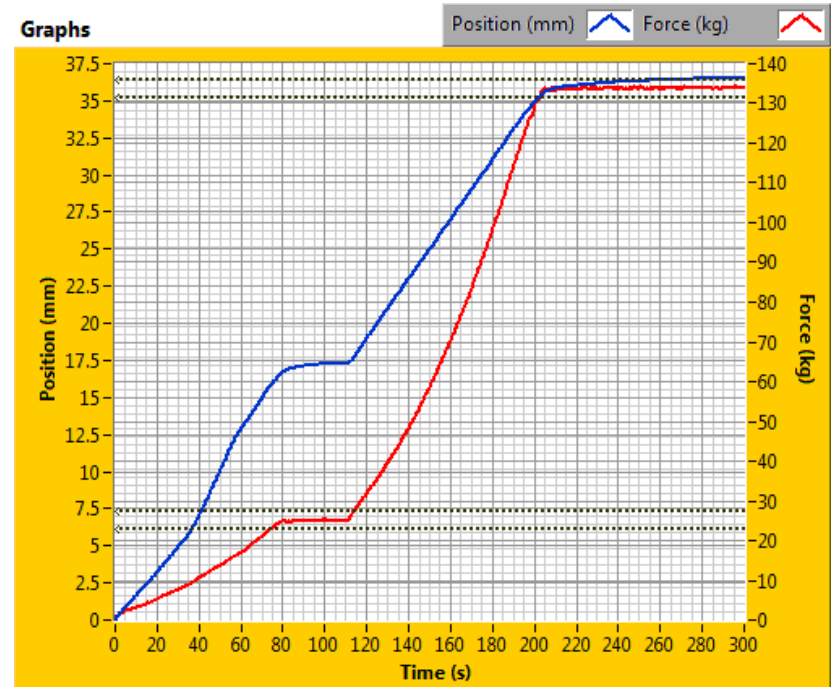
Laboratory ACT Lab
 Technician Terry
 Temperature 21
 Humidity 57

Sample

Model NS-801
 Color BLACK
 Size M(57-58CM)
 Weight 1462
 Manufacturer HENG TAI
 Manuf. Date 06/22

Infos

Standard FMVSS No.218
 Comment 1779.11606.001-B



Results

Test	Time Data D/M/Y h:ms	DL ?	Status	Tar1 (Kg)	Tar1 (S)	Tar2 (Kg)	Tar2 (S)	Delta(Del1 to Del2) (mm)	Pass/Fail
Test#61	[01/01/01 00:00:00]	NO	Valid	22.7	30.0	136.0	120.0	19.0	Pass

DOT Auto – Test results

Laboratory

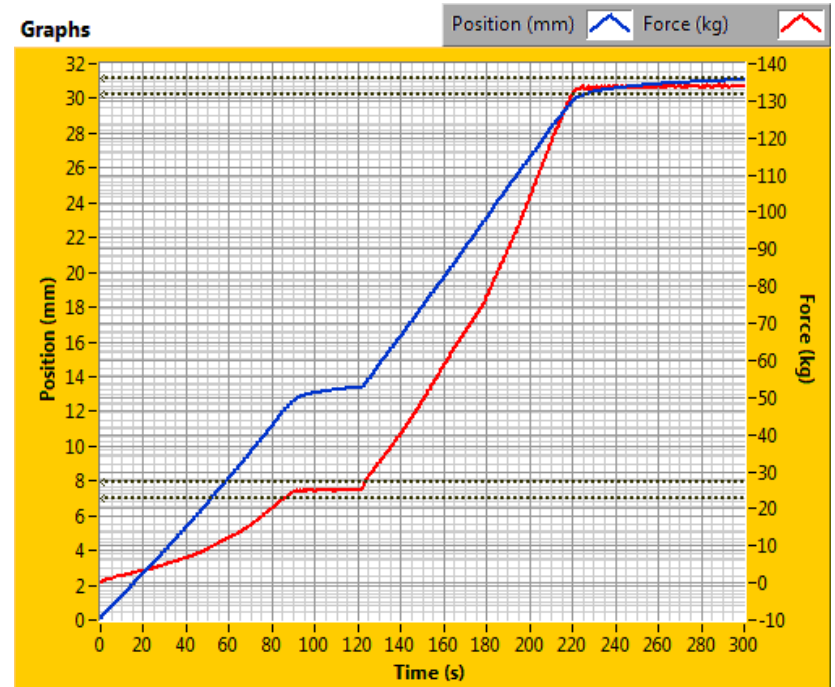
Laboratory ACT Lab
 Technician Terry
 Temperature 21
 Humidity 57

Sample

Model NS-801
 Color BLACK
 Size M(57-58CM)
 Weight 1464
 Manufacturer HONG SHENG
 Manuf. Date 06/22

Infos

Standard FMVSS No.218
 Comment 1779.11606.001-C



Results

Test	Time Data D/M/Y h:ms	DL ?	Status	Tar1 (Kg)	Tar1 (S)	Tar2 (Kg)	Tar2 (S)	Delta(Del1 to Del2) (mm)	Pass/Fail
Test#62	[01/01/01 00:00:00]	NO	Valid	22.7	30.0	136.0	120.0	17.7	Pass

DOT Auto – Test results

Laboratory

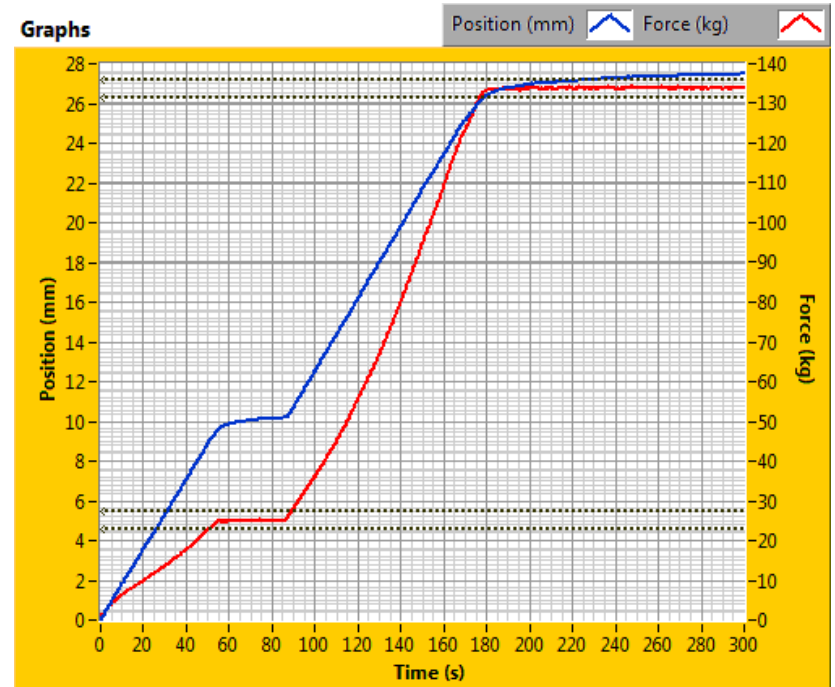
Laboratory ACT Lab
 Technician Terry
 Temperature 21
 Humidity 57

Sample

Model NS-801
 Color BLACK
 Size M(57-58CM)
 Weight 1458
 Manufacturer HONG SHENG
 Manuf. Date 06/22

Infos

Standard FMVSS No.218
 Comment 1779.11606.001-D



Results

Test	Time Data D/M/Y h:ms	DL ?	Status	Tar1 (Kg)	Tar1 (S)	Tar2 (Kg)	Tar2 (S)	Delta(Del1 to Del2) (mm)	Pass/Fail
Test#63	[01/01/01 00:00:00]	NO	Valid	22.7	30.0	136.0	120.0	17.1	Pass

APPENDIX A

INTERPRETATIONS OR DEVIATIONS FROM FMVSS 218

1. S5.6 Labeling. *Client has supplied digital artwork for section 5.6.1, ACT has only evaluated that the required content is present.
2. S6.4 Conditioning: Excess water on the water immersed sample was allowed to drip off before testing to prevent water damage to test equipment.
3. S5.5 Projections has been removed from this report. The manufacturer hereby acknowledges that they are responsible for ensuring compliance of all requirements within the FMVSS No.218 standard when conducting self-certification.

APPENDIX B

EQUIPMENT LIST AND CALIBRATION SCHEDULES

EQUIPMENT INFORMATION

General Information

Drop System: Monorail
Software: Cadex Impact Software v 6.4f

Item	Model	S/N
Computer	VD200PA#AB2	CNG9211DB1
Data Acquisition Board	187570H-01	13EC16A
Time Gate	Cadex	HVTG12009033-1
Control Box	PC4300	CCS120090331-1

Headforms

Item	Size	Model	Assembly Wt., grams
Uni-Axial	Headform Size DOT SMALL	Cadex	3573
Uni-Axial	Headform Size DOT MEDIUM	Cadex	5060
Uni-Axial	Headform Size DOT LARGE	Cadex	6185

Sensors

Item		Model	S/N
Uni-Axial	Accelerometer	PCB 353B18	86079

EQUIPMENT LIST AND CALIBRATION SCHEDULES

EQUIPMENT LIST						
Asset Tag	Location	Description of part	Model Number	Serial Number	Verification Interval	Next Verification
H1001	Helmet Room	Instrument	Yellow tower - 1000_00 MIMAT	NA	NA	NA
H1002	Helmet Room	Instrument	Green tower - Series 2000	NA	NA	NA
H1010	Helmet Room	Instrument	Control Center System - Pc4300	CCS120090331-1	NA	NA
H1011	Helmet Room	Instrument	Impact Machine System - DX3000	NA	NA	NA
H1013	Helmet Room	Instrument	Charge Amplifier - ATA2001	J72863	NA	NA
H1015	Helmet Room	Instrument	Positional Stability CPSC/ASTM	NA	1 year	4/11/2022
H1017	Helmet Room	Instrument	Retention Machine DOT - SB033	NA	NA	NA
H1019	Helmet Room	Instrument	Chin Bar Deflection ASTM/SNELL	NA	NA	NA
H1026	Helmet Room	Instrument	Laser table - SB005	TLTV2KB-	NA	NA
H1027	Helmet Room	Instrument	Fixture-Vision scale	NA	3 year	3/11/2024
H1034	Helmet Room	Environmental	Water Container	NA	NA	NA
H1043	Helmet Room	Headform	Impact ISO A	4272	1 year	10/19/2022
H1044	Helmet Room	Headform	Impact ASTM F2220 C	6938	1 year	10/19/2022
H1045	Helmet Room	Headform	Impact ISO E	4146	1 year	10/19/2022
H1046	Helmet Room	Headform	Impact ISO J	4148	1 year	10/19/2022
H1047	Helmet Room	Headform	Impact ISO M	4131	1 year	10/19/2022
H1048	Helmet Room	Headform	Impact ISO O	4151	1 year	10/19/2022
H1049	Helmet Room	Headform	Impact DOT Small	5178	1 year	10/19/2022
H1050	Helmet Room	Headform	Impact DOT Medium	5179	1 year	10/19/2022
H1051	Helmet Room	Headform	Impact DOT Large	5190	1 year	10/19/2022
H1052	Helmet Room	Anvil	System Check Spherical Impactor	NA	1 year	10/19/2022
H1053	Helmet Room	System Check	MEP Pad - 345_08 MP60	30051201	1 year	2021 yearly report
H1054	Helmet Room	Anvil	Chin Bar	NA	1 year	10/19/2022
H1055	Helmet Room	Anvil	Curb	NA	1 year	12/12/2021
H1056	Helmet Room	Anvil	Cylinder	NA	1 year	12/12/2021
H1059	Helmet Room	Anvil	Hazard	NA	1 year	12/12/2021
H1060	Helmet Room	Anvil	Hemispherical yellow tower	NA	1 year	12/12/2021
H1062	Helmet Room	Anvil	Flat yellow tower	NA	1 year	12/12/2021
H1064	Helmet Room	Instrument	Control Center System yellow tower -	CCS120120810-1	NA	NA
H1066	Helmet Room	Instrument	Penetration striker DOT	NA	1 year	9/10/2022
H1091	Helmet Room	Angle Measure	40°Block	NA	3 year	6/4/2023
H1092	Helmet Room	Fixture	Clamp - 119g	NA	1 year	10/19/2022
H1093	Helmet Room	Fixture	Clamp - 210g	NA	1 year	10/19/2022
H1094	Helmet Room	Fixture	Clamp - 378g	NA	1 year	10/19/2022
H1095	Helmet Room	Fixture	Clamp - 451g	NA	1 year	10/19/2022
H1096	Helmet Room	Fixture	Clamp - 505g	NA	1 year	10/19/2022
H1097	Helmet Room	Fixture	Clamp - 598g	NA	1 year	10/19/2022
H1098	Helmet Room	Fixture	Clamp - 1160g	NA	1 year	10/19/2022
H1099	Helmet Room	Anvil	Flat Green Tower	NA	1 year	12/12/2021
H1100	Helmet Room	Anvil	Hemispherical Green Tower	NA	1 year	12/12/2021
H1101	Helmet Room	Headform	DOT Retention Strength Small	NA	NA	NA
H1102	Helmet Room	Headform	DOT Retention Strength Medium	NA	NA	NA
H1103	Helmet Room	Headform	DOT Retention Strength Large	NA	NA	NA
H1105	Helmet Room	Drop Mass	Aluminum Ball Stem Green tower	NA	1 year	10/19/2022
H1106	Helmet Room	Drop Mass	Steel Ball Stem	NA	1 year	10/19/2022
H1107	Helmet Room	Drop Mass	Magnesium Ball Arm	NA	1 year	10/19/2022
H1117	Helmet Room	Instrument	Helmet Internal circumference measure	NA	NA	NA
H1123	Helmet Room	Fixture	Roll Off Headform fasten fixture	NA	NA	NA
H1126	Helmet Room	Drop Mass	Complete Pistol Grip Green tower	NA	1 year	10/19/2022
H1127	Helmet Room	Headform	Setup ASTM F2220 C	6947	1 year	12/12/2021
H1128	Helmet Room	Headform	DOT Penetration Small	NA	NA	NA
H1129	Helmet Room	Headform	DOT Penetration Medium	NA	NA	NA
H1130	Helmet Room	Headform	DOT Penetration Large	NA	NA	NA
H1143	Helmet Room	Height Measure	DOT Opening Block	NA	3 year	10/9/2023
H1144	Helmet Room	Fixture	Laser table headform base	NA	NA	NA
H1145	Helmet Room	Fixture	Penetration headform base	NA	NA	NA
H1146	Helmet Room	Fixture	Penetration height measure	NA	NA	NA
H1149	Helmet Room	Preload mass	NA	NA	1 year	10/9/2022
H1150	Helmet Room	10kg block	NA	NA	1 year	10/9/2022
H1175	Helmet Room	Headform	DOT Penetration Large	NA	NA	NA
H1178	Helmet Room	Drop Mass	Complete Pistol Grip	NA	1 year	10/19/2022
H1179	Helmet Room	Drop Mass	Aluminum Ball Stem	NA	1 year	10/19/2022

Contract File No.: 1779.11606

Test File: 001

Control Document: Official ACT FMVSS No.218 Report Template TP-07 CN 18 April 2022 Rev.19

SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/FMVSS No.218

Technician: Edward Wang

Test Date: 11 August 2022

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	(0-7.5)m/s	0.0001m/s	HVTG120120810-1	10/4/2021	10/3/2022
H1004	Instrument	Velocity gate Green tower	(0-6.4)m/s	0.0001m/s	HVTG120090331-1	2/17/2021	2/16/2022
H1007	Instrument	Uni-axial Accelerometer green tower - 353B18	≥1000g	≥1°	86079	10/8/2021	10/7/2022
H1009	Height Measure	Digital tape yellow tower - 16'	(0-5.5)m	0.1cm	5027526	11/2/2021	11/1/2022
H1012	Instrument	Displacement sensor - C20101007753	2 inch	0.1mm	J72863	11/1/2021	10/31/2022
H1014	Instrument	Displacement sensor - LWE-200	(0-100)mm	0.1mm	2002572	11/1/2021	10/31/2022
H1025	Weight Measure	Electronic scale - BT-6	(40-6000)g	0.1g	12230126	7/8/2021	7/7/2022
H1027	Angle Measure	Vision scale - 7°,25°,45°,105°	7°,25°,45°,105°		H-002	11/1/2021	10/31/2024
H1030	Environmental Chamber	Oven #1 - 92*9240MBE	(0-200)°C	1°C	8285	7/8/2021	7/7/2022
H1031	Environmental Chamber	Oven #2 - DHG-9426	(0-200)°C	0.1°C	1503338018	11/1/2021	10/31/2022
H1032	Environmental Chamber	Freezer #1 - DW-25W300	(-30~-10)°C	0.1°C	BE062100N00B29578VMO	7/8/2021	7/7/2022
H1033	Environmental Chamber	Freezer #2 - DW-50W225	(-30~-10)°C	0.1°C	F8LMJ	11/1/2021	10/31/2022
H1036	Environmental Measure	Temperature and humidity #1 - TH-602F	(-30~60)°C,(0-100)%	2°C	3238	7/9/2021	7/8/2022
H1057	Anvil	Edge	NA	NA	NA	10/27/2020	10/26/2023
H1058	Anvil	Equestrian	NA	NA	NA	10/27/2020	10/26/2023
H1061	Anvil	Blade	NA	NA	NA	10/27/2020	10/26/2023
H1063	Height Measure	Digital tape - 5m	(0-5)m	0.1mm	78223	11/2/2021	11/1/2022
H1070	Instrument	Load cell - 9363-B10-300-20T1	(0-136)kg	0.1kg	80310843	7/8/2021	7/7/2022
H1071	Environmental Measure	Temperature and humidity #3 - TH600B	(-20~100)°C,(0-100)%	1°C	Q/MDS001-2017-1	7/8/2021	7/7/2022
H1072	Environmental Measure	Temperature and humidity #4 - TH600B	(-20~100)°C,(0-100)%	1°C	Q/MDS001-2017-2	7/8/2021	7/7/2022
H1073	Height Measure	Height Gauge	(0-500)mm	0.01mm	8811213838273610	11/1/2021	10/31/2022
H1074	Distance Measure	Vernier caliper - SJ-455615	(0-150)mm	0.01mm	455615	11/1/2021	10/31/2022
H1076	Environmental Measure	Calorifier - CN-111	18-35°C	0.1°C	NA	11/2/2021	11/1/2022
H1077	Distance Measure	Tape	0-1.5m	1mm	NA	11/2/2021	11/1/2022
H1172	Height Measure	Height Rod #6	600±5mm	1mm	032216-02	4/13/2021	4/12/2022
H1174	System Check	MEP PAD	NA	NA	021921-01	3/5/2021	3/4/2022
H1180	Instrument	LVDT & Sensor Box	2 inch	0.1mm	04140748-001	11/1/2021	10/31/2022
H1184	Instrument	Uni-axial Accelerometer yellow tower - 353B18	± 500 g	≤ 1%	LW226664	8/24/2021	8/23/2022

Contract File No.: 1779.11606

Test File: 001

Control Document: Official ACT FMVSS No.218 Report Template TP-07 CN 18 April 2022 Rev.19

SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/FMVSS No.218

Technician: Edward Wang

Test Date: 11 August 2022

APPENDIX C
PHOTOGRAPHS

Contract File No.: 1779.11606

Test File: 001

Control Document: Official ACT FMVSS No.218 Report Template TP-07 CN 18 April 2022 Rev.19

SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/FMVSS No.218

Technician: Edward Wang

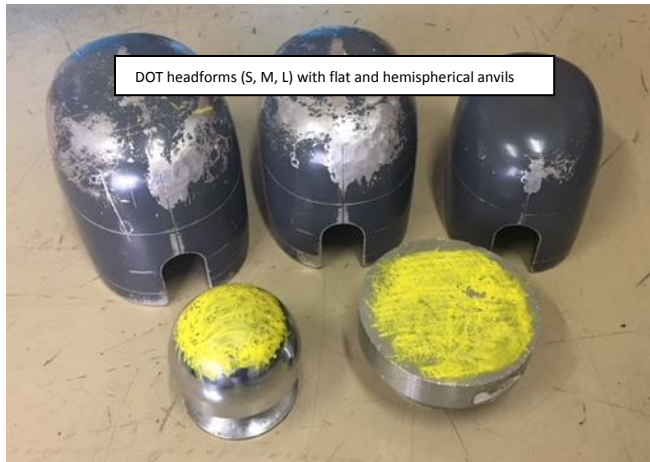
Test Date: 11 August 2022



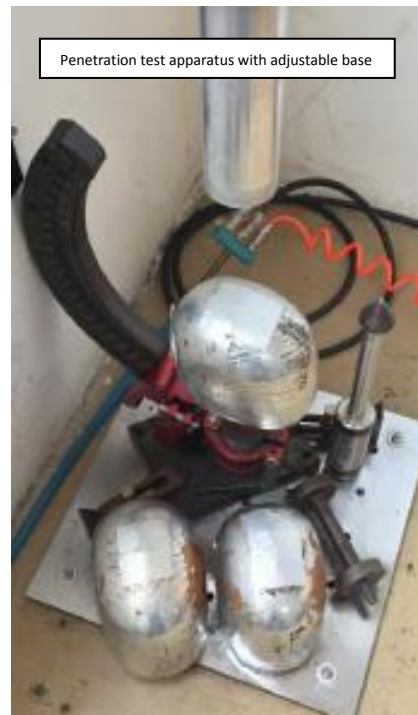
Impact attenuation test apparatus and data acquisition equipment



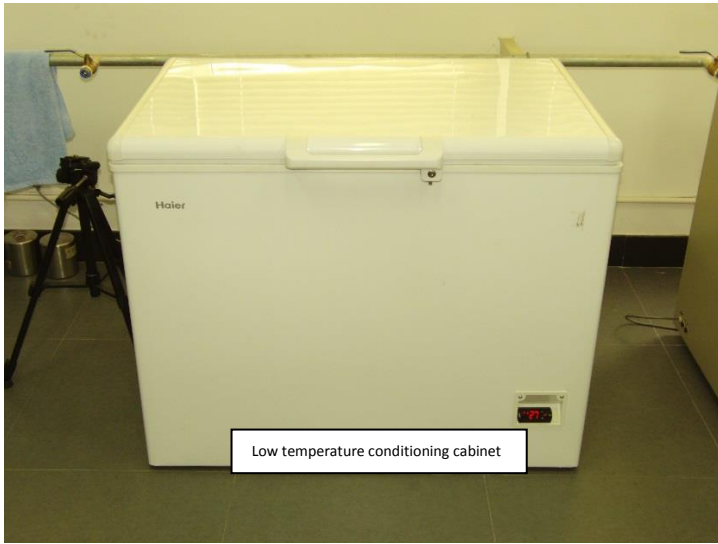
Retention system test apparatus



DOT headforms (S, M, L) with flat and hemispherical anvils



Penetration test apparatus with adjustable base



Low temperature conditioning cabinet



Water immersion equipment



High temperature chamber











IMPORTADOR	SIGNX SA DE CV
FECHADEFABRICACIÓN	Julio /2022
NUMERO DE LOTE	PI-2022-MHX
PÁIS DE ORIGE	CHINA
TALLAS	<input type="checkbox"/> XS <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L <input type="checkbox"/> XL <input type="checkbox"/> 2XL
REFERENCIA	NS-801
CERTIFICACIÓN	DOT FMVSS NO-218



DOT, FMVSS218 WARNING

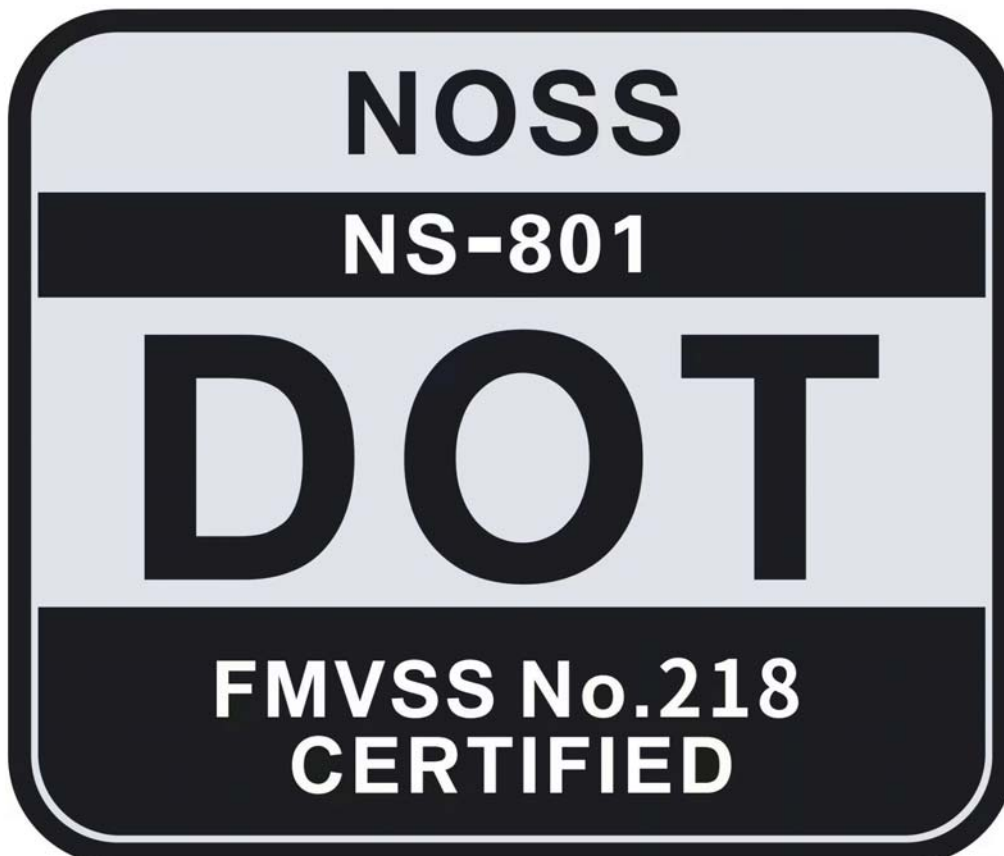
No helmet can protect the user against all foreseeable impacts, and serious injury or death may occur while wearing helmet, For adequate protection this helmet must be a good fit. This helmet is so constructed that the energy of a severe blow is absorbed in the partial destruction of the shell and/or protective padding material. Damage may not be visible to the eye; any helmet suffered by an impact should be destroyed and replaced by a new one. This shell is constructed of ABS, and liner of expanded polystyrene. Helmet can be seriously damaged by some substances without being visible to the eye; wash with warm water and mild hand soap. Make no modifications; fasten helmet securely. If helmet experiences a severe blow, return it to manufacturer for inspection, or destroy it and replace it

DOT, FMVSS218 ADVERTENCIA

Ningún casco puede proteger al usuario de cualquier impactoprevisible y puede causar lesiones graves o la muerte cuando se usa. Para proporcionar una protección adecuada, el casco debe ser muy adecuado. El casco esta construido de manera que la energía de un golpe fuerte se absorbe en la destrucción parcial de la carcasa y / o el material de la almohadilla protectora. Los ojos pueden no ver daño; Cualquier casco impactado debe ser destruido y reemplazado. La carcasa esta hecha de ABS y está forrada con poliestireno expandido. El casco puede estar gravemente dañado por algo que no se puede ver a simple vista; Lávese con agua tibia y un limpiador de manos suave. No hacer ninguna modificación; Abrochate el casco con seguridad. Si el casco está gravemente dañado, devolverlo al fabricante para su inspección o destruirlo reemplazarlo

MADE IN CHINA/ FABRICADO EN CHINA MODELO/

SIGNX SA DE CV. MFG DATE / FECHA DE FABRICACION:



NOTICE

1. The report is not effective without the signature of the person(s) authorizing the report (ACT Lab's authorized signatory is John A. Bogler (President)).
2. The report is not valid if altered.
3. Claims have to be made within 15 days after receipt of this report.
4. The results of this test report relate only to the items tested.
5. The results apply to the samples as received.
6. 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. Decision rule applied according to "ILAC-G8:09/2019 - Guidelines on the Reporting of Compliance with Specification".

END OF REPORT

Contract File No.: 1779.11606

Test File: 001

Control Document: Official ACT FMVSS No.218 Report Template TP-07 CN 18 April 2022 Rev.19

SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/FMVSS No.218

Technician: Edward Wang

Test Date: 11 August 2022