

SAFETY AND COMPLIANCE TESTING FOR CPSC 16 CFR 1203 BICYCLE HELMETS

Brand : Troy Lee Designs
Model : FLOWLINE MIPS
Tested Size : YOUTH (48-53 cm)
Stock / Model Number : Not Specified
Country of Origin : China
Age Grading : 5 and older
Children's Product : Yes

Prepared For:

Troy Lee Designs
155 East Rincon Street,
Corona, California



Issue Date: 05 August 2022

Final Report: 889.11339.001

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.: 889.11339

Test File: 001

Control Document: Official ACT/CPSC 1203/Report Template/CN 1 July 2022 Rev.8
SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Terry Liu

Test Date: 29 July 2022

HELMET DATA

HELMET BRAND NAME: Troy Lee Designs

HELMET MODEL DESIGNATION: FLOWLINE MIPS

HELMET MANUFACTURER: VENDOR

HELMET SIZE: YOUTH (48-53 cm)

BUCKLE DESCRIPTION: ITW

LOT NUMBER: TBD

EPS COLOR: Black

HELMET COVERAGE: Partial X Full: _____ Complete: _____

TEST HEADFORM SIZE: ISO A

HELMET POSITIONING INDEX: 10 mm

AGE GRADING: 5 and older

HELMET	#1 Ambient	#2 Hot	#3 Cold	#4 Wet	#5 Ambient	#6 Hot	#7 Cold	#8 Wet
SHELL COLOR/PATTERN	Black	Black	Black	Black	Black	Black	Black	Black
WEIGHT (grams)	260	268	262	255	266	269	262	266
MONTH & YEAR OF MANUFACTURE	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD



889.11339.001 – FLOWLINE MIPS

Contract File No.: 889.11339

Test File: 001

Control Document: Official ACT/CPSC 1203/Report Template/CN 1 July 2022 Rev.8
 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Terry Liu

Test Date: 29 July 2022

TEST SUMMARY

Requirements	Pass/Fail
1203.5 Projections	Pass
1203.6 Labeling and Instructions	Pass
1203.34 Product Certification and Labeling	Pass
1203.12 Test Requirements	---
(a) Peripheral Vision (degrees)	Pass
(b) Positional Stability, Face Down	Pass
(b) Positional Stability, Face Up	Pass
(c) Dynamic Strength of Retention System	Pass
(d) Impact Attenuation	Pass

Reviewed by

Comments:

1. All helmets were received in undamaged condition and were appropriate for testing.
2. 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.
3. Weights listed above for helmets 1-8 are as tested with visor removed.
4. This helmet met all CPSC 1203 requirements.

Contract File No.: 889.11339

Test File: 001

Control Document: Official ACT/CPSC 1203/Report Template/CN 1 July 2022 Rev.8
 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Terry Liu

Test Date: 29 July 2022

SAFETY AND COMPLIANCE TESTING FOR CPSC 16 CFR 1203 BICYCLE HELMETS

Brand : Troy Lee Designs
Model : FLOWLINE MIPS
Tested Size : XS/S (53-56 cm)
Stock / Model Number : Not Specified
Country of Origin : China
Age Grading : 5 and older
Children's Product : No

Prepared For:

Troy Lee Designs
155 East Rincon Street,
Corona, California



Issue Date: 19 July 2022

Final Report: 889.11181.001

Tested By:

Taicang ACT Sporting Goods Testing Co., Ltd.
No. 35 Zhenghe Road,
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Contract File No.: 889.11181

Test File: 001

Control Document: Official ACT/CPSC 1203/Report Template/CN 1 July 2022 Rev.8
SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Edward Wang

Test Date: 08 July 2022

HELMET DATA

HELMET BRAND NAME: Troy Lee Designs

HELMET MODEL DESIGNATION: FLOWLINE MIPS

HELMET MANUFACTURER: VENDOR

HELMET SIZE: XS/S (53-56 cm)

BUCKLE DESCRIPTION: ITW

LOT NUMBER: TBD

EPS COLOR: Black

HELMET COVERAGE: Partial X Full: _____ Complete: _____

TEST HEADFORM SIZE: ISO E

HELMET POSITIONING INDEX: 19 mm

AGE GRADING: 5 and older

HELMET	#1 Ambient	#2 Hot	#3 Cold	#4 Wet	#5 Ambient	#6 Hot	#7 Cold	#8 Wet
SHELL COLOR/PATTERN	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey
WEIGHT (grams)	311	309	311	307	306	308	317	304
MONTH & YEAR OF MANUFACTURE	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD



889.11181.001 – FLOWLINE MIPS

Contract File No.: 889.11181

Test File: 001

Control Document: Official ACT/CPSC 1203/Report Template/CN 1 July 2022 Rev.8

SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Edward Wang

Test Date: 08 July 2022

TEST SUMMARY

Requirements	Pass/Fail
1203.5 Projections	Pass
1203.6 Labeling and Instructions	Pass
1203.34 Product Certification and Labeling	Pass
1203.12 Test Requirements	---
(a) Peripheral Vision (degrees)	Pass
(b) Positional Stability, Face Down	Pass
(b) Positional Stability, Face Up	Pass
(c) Dynamic Strength of Retention System	Pass
(d) Impact Attenuation	Pass

Reviewed by



Comments:

1. All helmets were received in undamaged condition and were appropriate for testing.
2. 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.
3. Weights listed above for helmets 1-8 are as tested with visor removed.
4. This helmet met all CPSC 1203 requirements.

Contract File No.: 889.11181

Test File: 001

Control Document: Official ACT/CPSC 1203/Report Template/CN 1 July 2022 Rev.8
 SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Edward Wang

Test Date: 08 July 2022

SAFETY AND COMPLIANCE TESTING FOR CPSC 16 CFR 1203 BICYCLE HELMETS

Brand : Troy Lee Designs
Model : FLOWLINE MIPS
Tested Size : M (57-59 cm)
Stock / Model Number : Not Specified
Country of Origin : China
Age Grading : 5 and older
Children's Product : No

Prepared For:

Troy Lee Designs
155 East Rincon Street,
Corona, California



Issue Date: 16 March 2022

Final Report: 889.09943.001

Tested By:

Taicang ACT Sporting Goods Testing Co., Ltd.
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Contract File No.: 889.09943

Test File: 001

Control Document: Official ACT/CPSC 1203/Report Template/CN 19 March 2021 Rev.6
SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Carry Zhou

Test Date: 09 February 2022

HELMET DATA

HELMET BRAND NAME: Troy Lee Designs

HELMET MODEL DESIGNATION: FLOWLINE MIPS

HELMET MANUFACTURER: VENDOR

HELMET SIZE: M (57-59 cm)

BUCKLE DESCRIPTION: ITW

LOT NUMBER: TBD

EPS COLOR: Black

HELMET COVERAGE: Partial X Full: _____ Complete: _____

TEST HEADFORM SIZE: ISO J

HELMET POSITIONING INDEX: 15 mm

AGE GRADING: 5 and older

HELMET	#1 Ambient	#2 Hot	#3 Cold	#4 Wet	#5 Ambient	#6 Hot	#7 Cold	#8 Wet
SHELL COLOR/PATTERN	Black	Black	Black	Black	Black	Black	Black	Black
WEIGHT (grams)	312	316	316	314	316	316	317	318
MONTH & YEAR OF MANUFACTURE	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD



889.09943.001 – FLOWLINE MIPS

Contract File No.: 889.09943

Test File: 001

Control Document: Official ACT/CPSC 1203/Report Template/CN 19 March 2021 Rev.6

SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Carry Zhou

Test Date: 09 February 2022



TEST SUMMARY

Requirements	Pass/Fail
1203.5 Projections	Pass
1203.6 Labeling and Instructions	Pass
1203.34 Product Certification and Labeling	Pass
1203.12 Test Requirements	---
(a) Peripheral Vision (degrees)	Pass
(b) Positional Stability, Face Down	Pass
(b) Positional Stability, Face Up	Pass
(c) Dynamic Strength of Retention System	Pass
(d) Impact Attenuation	Pass

Reviewed by

Comments:

1. All helmets were received in undamaged condition and were appropriate for testing.
2. Weights listed above for helmets 1-8 are as tested with visor removed.
3. This helmet met all CPSC 1203 requirements.

Contract File No.: 889.09943

Test File: 001

Control Document: Official ACT/CPSC 1203/Report Template/CN 19 March 2021 Rev.6
SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Carry Zhou

Test Date: 09 February 2022

SAFETY AND COMPLIANCE TESTING FOR CPSC 16 CFR 1203 BICYCLE HELMETS

Brand : Troy Lee Designs
Model : FLOWLINE MIPS
Tested Size : XL/XXL (60-63 cm)
Stock / Model Number : Not Specified
Country of Origin : China
Age Grading : 5 and older
Children's Product : No

Prepared For:

Troy Lee Designs
155 East Rincon Street,
Corona, California



Issue Date: 05 August 2022

Final Report: 889.11339.004

Tested By:

Taicang ACT Sporting Goods Testing Co., Ltd.
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Contract File No.: 889.11339

Test File: 004

Control Document: Official ACT/CPSC 1203/Report Template/CN 1 July 2022 Rev.8
SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Terry Liu

Test Date: 29 July 2022

HELMET DATA

HELMET BRAND NAME: Troy Lee Designs

HELMET MODEL DESIGNATION: FLOWLINE MIPS

HELMET MANUFACTURER: VENDOR

HELMET SIZE: XL/XXL (60-63 cm)

BUCKLE DESCRIPTION: ITW

LOT NUMBER: TBD

EPS COLOR: Black

HELMET COVERAGE: Partial X Full: _____ Complete: _____

TEST HEADFORM SIZE: ISO M

HELMET POSITIONING INDEX: 15 mm

AGE GRADING: 5 and older

HELMET	#1 Ambient	#2 Hot	#3 Cold	#4 Wet	#5 Ambient	#6 Hot	#7 Cold	#8 Wet
SHELL COLOR/PATTERN	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey
WEIGHT (grams)	397	383	383	386	394	391	388	394
MONTH & YEAR OF MANUFACTURE	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD



889.11339.004 – FLOWLINE MIPS

Contract File No.: 889.11339

Test File: 004

Control Document: Official ACT/CPSC 1203/Report Template/CN 1 July 2022 Rev.8

SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Terry Liu

Test Date: 29 July 2022

TEST SUMMARY

Requirements	Pass/Fail
1203.5 Projections	Pass
1203.6 Labeling and Instructions	Pass
1203.34 Product Certification and Labeling	Pass
1203.12 Test Requirements	---
(a) Peripheral Vision (degrees)	Pass
(b) Positional Stability, Face Down	Pass
(b) Positional Stability, Face Up	Pass
(c) Dynamic Strength of Retention System	Pass
(d) Impact Attenuation	Pass

Reviewed by

Comments:

1. All helmets were received in undamaged condition and were appropriate for testing.
2. 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.
3. Weights listed above for helmets 1-8 are as tested with visor removed.
4. This helmet met all CPSC 1203 requirements.