



Test Report

Report No.: LST26100583EN

Date: Oct. 15, 2026

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Sample Name:

Safety Hard Hat For Kid



Date of Manufactured:

1st September 2026



Labeled age group:

None

Age grading for testing:

Over 5 years old



Over 5 years old

Sample Receiving Date:

Oct. 12, 2026

Testing Period:

Oct. 12, 2026 to Oct. 14, 2026

*****FOR FURTHER DETAILS,PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Signed for and on behalf of LST

Rory

Rory / Technical Manager



Signed for and on behalf of LST

Davy

Davy / Lab supervisor





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Summary of Test Result(s):

No.	Test Sample	Test Requested	Result(s)
1	Tested materials of submitted samples	Consumer Product Safety Improvement Act of 2008, CPSIA Section 101(a)(2). - Lead (Pb) content in accessible substrate materials	PASS
2	Tested materials of submitted samples	Consumer Product Safety Improvement Act of 2008, CPSIA Section 101(f). - Lead (Pb) content in paint and similar surface-coating materials	NA
		CPSC 16 CFR 1303 - Lead (Pb) content	NA
3	Tested materials of submitted samples	Consumer Product Safety Improvement Act of 2008, CPSIA Section 108 - Phthalates content	PASS
		CPSC 16 CFR 1307 - Phthalates content	PASS
4	Submitted samples	CPSC 16 CFR 1501 - Small part	NA
5	Submitted samples	CPSC 16 CFR 1500.48 - Sharp Points	PASS
6	Submitted samples	CPSC 16 CFR 1500.49 - Sharp Edges	NA



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Sample Description

Material No.	Description	Samples / Components
01	White plastic	Safety hard hat body
02	Greyish-yellow plastic	Protective cover
03	Safety hard hat	Safety hard hat entirety

Photo of sample



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Test Result(s):

CPSIA Section 101(a)(2) - Lead(Pb) content

Method: With reference to CPSC-CH-E1002-08.3, analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
02	100	N.D.	PASS

Note: (1) mg/kg = milligram per kilogram (ppm).

(2) N.D. = Not Detected (< RL).

(3) RL (Reporting Limit) = 10 mg/kg.

CPSIA Section 108 & CPSC 16 CFR 1307 - Phthalates content

Method: With reference to CPSC-CH-C1001-09.4, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	DBP	BBP	DEHP	DINP	DHEXP	DIBP	DCHP	DPENP	Conclusion
CAS No.									
Limit (mg/kg)	1000	1000	1000	1000	1000	1000	1000	1000	
RL (mg/kg)	50	50	50	100	50	50	50	50	
Material No.	Result (mg/kg)								
01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

Note: (1) mg/kg = milligram per kilogram (ppm).

(2) N.D. = Not Detected (< RL).

(3) RL = Reporting Limit.



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CPSC 16 CFR 1501- Small Part and CPSC 16 CFR 1500.48~49 - Sharp Points & Sharp Edges

Test Item(s)	Requirements of Standard	Assessment
		03
CPSC 16 CFR 1501 - Small part	Toys and other article intended for use by children under 3 years of age shall not have small parts since it presents a choking, aspiration, or ingestion hazard. Toys and other article are subject to this requirement before or after use and abuse testing.	NA
CPSC 16 CFR 1500.48 - Sharp Points	Toys and other article intended for use by children under 8 years of age shall not have accessible potentially hazardous sharp points. Toys and other article are subject to this requirement before or after use and abuse testing.	PASS
CPSC 16 CFR 1500.49 - Sharp Edges	Toys and other article intended for use by children under 8 years of age shall not have accessible potentially hazardous sharp metal or glass edges. Toys and other article are subject to this requirement before or after use and abuse testing.	NA

Note: NA = Not Applicable.

Use and Abuse Tests:

The submitted samples were undergone the use and abuse tests in accordance with FHSA 16 CFR and whichever is applicable the tested age grade.

Age Category	Impact Test	Flexure Test	Torque Test	Tension Test	Compression Test
0-18 Months 16 CFR 1500.51	10 x 4.5 ft	120 Arc 30 Cycles 10 lbs	2 in-lbs	10 lbs	20 lbs
19-36 Months 16 CFR 1500.52	4 x 3 ft	120 Arc 30 Cycles 15 lbs	3 in-lbs	15 lbs	25 lbs
37-96 Months 16 CFR 1500.53	4 x 3 ft	120 Arc 30 Cycles 15 lbs	4 in-lbs	15 lbs	30 lbs

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request

End of Report