

SHENZHEN LINKEDSAFE SPORTS TECHNOLOGY CO., LTD.  
503, BLOCK C, HUAFENG INTELLIGENT INNOVATION PORT, GUSHU 2ND ROAD, GUSHU COMMUNITY,  
XIXIANG STREET, BAO'AN DISTRICT, SHENZHEN, CHINA.

Sample Descriptions : SMART HELMET  
Item No.(s) : LS02  
Country of Origin : CHINA  
Country of Destination : GLOBAL  
Client reference information : M (21.65" to 23.62" / 55 to 58cm)  
Buyer : SHENZHEN LINKEDSAFE SPORTS TECHNOLOGY CO.,LTD.  
Supplier : SHENZHEN LINKEDSAFE SPORTS TECHNOLOGY CO., LTD.  
Size : M 55cm-58cm

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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HPI (from reference plane) : 15mm For J ISO  
Tested Age grading : 5 and older  
Sample Receiving Date : Jan 15, 2026  
Test Performing Date : Jan 15, 2026 to Feb 05, 2026  
Test Performed : 16 CFR Part 1203  
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Robert Zhao  
Authorized Signatory

Scan to see the report



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Guangzhou Branch

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**Test Conducted:** Based on **16 CFR Part 1203** Safety Standard for Bicycle Helmets

**Number of Tested Sample:** 8 piece(s)

**Test Results:** Details shown as following table

**Subpart A —The Standard**

Clause	Test Item / Test Requirement / Test Method	Test Result
1203.5	<b>Construction requirements – projections.</b> Any unfaired projection extending more than 7 mm (0.28 in.) from the helmet’s outer surface shall break away or collapse when impacted with forces equivalent to those produced by the applicable impact-attenuation tests in § 1203.17 of this standard. There shall be no fixture on the helmet’s inner surface projecting more than 2 mm into the helmet interior.	Pass
	<b>Labeling and instructions</b>	
1203.6	<b>(a) Labeling</b>	
	Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user:	Pass
	(1) Model designation.	Pass
	(2) A warning to the user that no helmet can protect against all possible impacts and that serious injury or death could occur.	Pass
	(3) A warning on both the helmet and the packaging 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.	Pass
	(4) A warning to 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 shall also state that a helmet that has sustained an impact should be returned to the manufacturer for inspection, or be destroyed and replaced.	Pass
	(5) A warning to the user that the helmet can be damaged by contact with common substances (for example, certain solvents [ammonia], cleaners [bleach], etc.), and that this damage may not be visible to the user. This label shall state in generic terms some recommended cleaning agents and procedures (for example, wipe with mild soap and water), list the most common substances that damage the helmet, warn against contacting the helmet with these substances, and refer users to the instruction manual for more specific care and cleaning information.	Pass
	(6) Signal word. The labels required by paragraphs (a) (2) through (5) of this section shall include the signal word “WARNING” at the beginning of each statement, unless two or more of the statements appear together on the same label. In that case, the signal word need only appear once, at the beginning of the warnings. The signal word “WARNING” shall be in all capital letters, bold print, and a type size equal to or greater than the other text on the label.	Pass
<b>(b) Instructions</b>		
	Each helmet shall have fitting and positioning instructions, including a graphic representation of proper positioning	Pass



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Clause	Test Item / Test Requirement / Test Method	Test Result
1203.12	<b>Test requirements</b>	
	<b>(a) Peripheral vision</b> All bicycle helmets shall allow unobstructed vision through a minimum of 105° to the left and right sides of the mid-sagittal plane when measured in accordance with § 1203.14 of this standard.	Pass See annex 1
	<b>(b) Positional stability</b> No bicycle helmet shall come off of the test headform when tested in accordance with § 1203.15 of this standard.	Pass See annex 2
	<b>(c) Dynamic strength of retention system</b> All bicycle helmets shall have a retention system that will remain intact without elongating more than 30 mm (1.2 in.) when tested in accordance with § 1203.16 of this standard.	Pass See annex 3
	<b>(d) Impact attenuation criteria</b> (1) General. A helmet fails the impact attenuation performance test of this standard if a failure under paragraph (d)(2) of this section can be induced under any combination of impact site, anvil type, anvil impact order, or conditioning environment permissible under the standard, either with or without any attachments, or combinations of attachments, that are provided with the helmet. Thus, the Commission will test for a “worst case” combination of test parameters. What constitutes a worst case may vary, depending on the particular helmet involved. (2) Peak acceleration. The peak acceleration of any impact shall not exceed 300 g when the helmet is tested in accordance with § 1203.17 of this standard.	Pass See annex 4

**Subpart B—Certification**

1203.34	Product certification and labeling by manufacturers (including importers)	
(b)	<b>Contents of certification label.</b>	
	The certification labels required by this section shall contain the following:	Pass
	(1) The statement “Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older” or “Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 1 and Older (Extended Head Coverage)”, as appropriate; this label may spell out “U.S. Consumer Product Safety Commission” instead of “U.S. CPSC”;	Pass
	(2) The name of the U.S. manufacturer or importer responsible for issuing the certificate or the name of a private labeler;	Pass
	(3) The address of the U.S. manufacturer or importer responsible for issuing the certificate or, if the name of a private labeler is on the label, the address of the private labeler;	Pass
	(4) The name and address of the foreign manufacturer, if the helmet was manufactured outside the United States;	Pass
	(5) The telephone number of the U.S. manufacturer or importer responsible for issuing the certificate or, if the name of a private labeler is on the label, the telephone number of the private labeler;	Pass
	(6) An identification of the production lot; and	Pass
(7) The uncoded month and year the product was manufactured.	Pass	



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(c)	<p><b>Coding</b></p>	NA
	<p>(1) The information required by paragraphs (b) (4) and (b) (6) of this section, and the information referred to in paragraph (c) (2) of this section, may be in code, provided:</p>	
	<p>(i) The person or firm issuing the certificate maintains a written record of the meaning of each symbol used in the code, and</p>	
	<p>(ii) The record shall be made available to the distributor, retailer, consumer, and Commission upon request.</p>	
(d)	<p><b>Placement of the label(s)</b>                  The information required by paragraphs (b)(2), (b)(3), and (b)(5) of this section must be on one label. The other required information may be on separate labels. The label(s) required by this section must be affixed to the bicycle helmet. If the label(s) are not immediately visible to the ultimate purchaser of the bicycle helmet prior to purchase because of packaging or other marketing practices, a second label is required. That label shall state, as appropriate, "Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older", or "Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 1 and Older (Extended Head Coverage)". The label shall be legible, readily visible, and placed on the main display panel of the packaging or, if the packaging is not visible before purchase (e.g., catalog sales), on the promotional material used with the sale of the bicycle helmet. This label may spell out "U.S. Consumer Product Safety Commission" instead of "U.S. CPSC."</p>	Pass

**Remark:** 1. NA = Not applicable.  
 2. NT = Not tested as per client's request.



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**Impact attenuation instrument system check:**

Systems check	Trial drop	Drop Height (cm)	VEL. m/sec	Milliseconds at		
				Peak G	150 g	200 g
Pre-test	1	162.3	5.39	409.7	2.70	2.29
	2	162.0	5.41	415.1	2.69	2.30
	3	162.1	5.43	415.6	2.69	2.30
Pretest average		-	-	413.5	-	-
Post test	1	162.2	5.40	409.2	2.64	2.25
	2	162.0	5.40	416.0	2.70	2.30
	3	162.0	5.38	411.5	2.67	2.28
Post test average		-	-	412.3	-	-
Difference between pretest and post test averages				1.2g	Difference not to exceed 5%	

Model: LS02

Size: 55-58 cm

Head form: J ISO

HPI (from reference plane): 15 mm

**Annex 1: Peripheral vision test**

Test Specification: 16 CFR Ch.II (1-1-16 Edition) PART 1203.14

Ambient temperature at time of test: 22.0 °C

Condition	Horizontal vision	Result
Ambient No. 1	>105°	Pass

**Annex 2: Positional stability test**

Test Specification: 16 CFR Ch.II (1-1-16 Edition) PART 1203.15

Ambient temperature at time of test: 22.0 °C

Condition	Come off or not		Result
Ambient No. 5	From rear	Not come off	Pass
	From front	Not come off	Pass

**Annex 3: Retention system strength**

Test Specification: 16 CFR Ch.II (1-1-16 Edition) PART 1203.16

Ambient temperature at time of test: 22.0 °C

Condition	Elongation (mm)	Result
Ambient condition No.1	17.6	Pass
High temperature No.2	16.9	Pass
Low temperature No. 3	16.3	Pass
Water immersion No.4	14.8	Pass



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**Annex 4: Impact energy attenuation test**

Test Specification: 16 CFR Ch.II (1-1-16 Edition) PART 1203.17

Ambient temperature at time of test: 22.0 °C

Condition	Sample Mass (g)	Impact Loc.	Anvil	Vel.-m/sec	Peak'G	Result
Ambient Condition No.1	401	Front	Flat	6.19	172.5	Pass
		Left	Flat	6.20	207.3	Pass
		Crown	Hemispherical	4.79	107.1	Pass
		Rear	Hemispherical	4.79	117.0	Pass
High Temperature No.2	401	Crown	Flat	6.18	207.8	Pass
		Left	Flat	6.17	210.5	Pass
		Right Front	Hemispherical	4.83	95.8	Pass
		Right Rear	Hemispherical	4.83	108.4	Pass
Low Temperature No.3	399	Crown	Flat	6.17	228.6	Pass
		Rear	Flat	6.20	178.4	Pass
		Front	Hemispherical	4.78	113.4	Pass
		Left	Hemispherical	4.79	120.2	Pass
Water Immersion No.4	400	Left Front	Flat	6.19	202.4	Pass
		Left Rear	Flat	6.20	178.9	Pass
		Right Front	Hemispherical	4.81	105.2	Pass
		Right Rear	Hemispherical	4.78	179.3	Pass
Ambient Condition No.5	399	Front	Curbstone	4.84	98.0	Pass
High Temperature No.6	401	Crown	Curbstone	4.78	114.3	Pass
Low Temperature No.7	399	Left	Curbstone	4.80	130.1	Pass
Water Immersion No.8	400	Rear	Curbstone	4.82	100.3	Pass



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**Sample Photo(s):**

<p>Sample</p>	
<p>Front view</p>	



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<p>Side view</p>	
<p>Back view</p>	



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Top view



Bottom view






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<p>Label</p>	
<p>Label</p>	
<p>Label</p>	




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<p>Label</p>	<div style="border: 2px solid black; padding: 10px; text-align: center;"> <p><b>CERTIFIED</b> <b>CPSC</b></p> <hr/> <p>Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older</p> </div>
<p>Label</p>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p><b>⚠ WARNING ⚠</b></p> <ul style="list-style-type: none"> <li>• NO HELMET CAN PROTECT AGAINST ALL POSSIBLE IMPACTS. SERIOUS INJURY OR DEATH MAY OCCUR.</li> <li>• FOR MAXIMUM PROTECTION, THIS HELMET MUST BE PROPERLY FITTED AND SECURED TO THE WEARER'S HEAD FOLLOWING THE MANUFACTURER'S FITTING INSTRUCTIONS.</li> <li>• THIS WARNING IS APPLICABLE TO BOTH THE HELMET AND ITS PACKAGING.</li> </ul> </div>
<p>Package</p>	



<p>Package</p>	<p><b>LINKED SAFE</b></p> <p><b>INCLUDED IN THE BOX: Smart helmet, USB-C cable, Remote control, User manual</b></p> <p><b>WARNUNG!</b> Das Helmset kann vor allen möglichen Stößen und Verletzungen schützen, aber ein ernstes Verletzungsrisiko besteht. Das Helmset ist nicht für den Einsatz in Umgebungen mit hoher Gefahr geeignet. Das Helmset ist nicht für den Einsatz in Umgebungen mit hoher Gefahr geeignet. Das Helmset ist nicht für den Einsatz in Umgebungen mit hoher Gefahr geeignet.</p> <p><b>IN DER BOX ENTHALTEN: Smart Helm, USB-C-Kabel, Fernbedienung, Benutzerhandbuch</b></p> <p><b>WARNUNG!</b> Das Helmset kann vor allen möglichen Stößen und Verletzungen schützen, aber ein ernstes Verletzungsrisiko besteht. Das Helmset ist nicht für den Einsatz in Umgebungen mit hoher Gefahr geeignet. Das Helmset ist nicht für den Einsatz in Umgebungen mit hoher Gefahr geeignet. Das Helmset ist nicht für den Einsatz in Umgebungen mit hoher Gefahr geeignet.</p> <p><b>Made in China</b></p>
<p>Instruction</p>	<p><b>Packing List</b></p> <ul style="list-style-type: none"> <li>Helmet x 1</li> <li>Remote Controller x 1</li> <li>Quick Start Guide x 1</li> <li>Type-C USB Charging Cable x 1</li> </ul> <p><b>Wearing Instructions</b></p> <p>You'll need a measuring tape and your head.</p> <p>Measure around your head (in centimeters) taking the measuring tape just above the ears and about an inch above the brow line.</p>






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<p>Instruction</p>	<p><b>Wearing Instructions</b></p> <p>The helmet can only provide effective protection if it fits properly. The buyer should try different sizes and choose the one that feels secure and comfortable on the head. The helmet should be adjusted to fit the user: the straps should be positioned so that they do not cover the ears, the buckle should be positioned away from the jawbone, and both the straps and buckle should be adjusted to be comfortable yet firm. The helmet should be positioned on the head to ensure the intended protection is provided. It should be placed to protect the forehead and not pushed too far over the back of the head.</p> <p>A helmet cannot always prevent injury. If a helmet sustains a severe impact, it should be discarded and destroyed immediately. It is dangerous to modify or remove any of the helmet's original components, except as recommended by the manufacturer. Helmets should also not be adapted to fit accessories in a way that is not recommended by the manufacturer.</p>  <p>Adjust the length of the chinstrap      Leave a gap of about one finger's width      Correctly position the helmet      Check whether the buckle is properly fastened</p>  <p>Incorrect      Incorrect      Correct</p>
<p>Front test line for (J) ISO</p>	

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Side test line for (J)  
ISO



Rear test line for (J)  
ISO



Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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\*\*\* SGS Ref No.: CAN26-0013832\*\*\*

	Test Requirement	Conclusion
1	CPSIA section 101(f) - Lead in paint/similar surface coating material	Pass
2	CPSIA section 101(a)(2) - Lead in accessible substrate materials	Pass
3	CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates	Pass

**Test Result(s):**

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN26-0013832-0001.C001	Transparent with dark gray coating on plastic(on shell, all styles)
SN2	A2	CAN26-0013832-0001.C002	Laser silvery adhesive plastic sheet with black printing(round label, all styles)
SN3	A3	CAN26-0013832-0001.C003	White adhesive sheet with black printing(CE label, all styles)
SN4	A4	CAN26-0013832-0001.C004	Transparent plastic without coating(shell, all styles)
SN5	A5	CAN26-0013832-0001.C005	Transparent plastic(front light cover, all styles)
SN6	A6	CAN26-0013832-0001.C006	Transparent plastic(side light cover, all styles)
SN7	A7	CAN26-0013832-0001.C007	Gray transparent plastic(rear light cover, all styles)
SN8	A8	CAN26-0013832-0001.C008	Black plastic(rear light base, all styles)
SN9	A9	CAN26-0013832-0001.C009	Black plastic(adjusting tape, all styles)
SN10	A10	CAN26-0013832-0001.C010	Black plastic(knob, all styles)
SN11	A11	CAN26-0013832-0001.C011	Black plastic(knob base, all styles)
SN12	A12	CAN26-0013832-0001.C012	Black plastic(magnet buckle, all styles)
SN13	A13	CAN26-0013832-0001.C013	Black plastic(button of magnet buckle, all styles)
SN14	A14	CAN26-0013832-0001.C014	Black plastic(side buckle, all styles)
SN15	A15	CAN26-0013832-0001.C015	Black plastic(front of edge, all styles)
SN16	A16	CAN26-0013832-0001.C016	Black plastic(side of edge, all styles)
SN17	A17	CAN26-0013832-0001.C017	Black adhesive plastic sheet(hook fastener, all styles)
SN18	A18	CAN26-0013832-0001.C018	Black plastic(hook fastener, all styles)
SN19	A19	CAN26-0013832-0001.C019	Black plastic(cover of strap holder, all styles)
SN20	A20	CAN26-0013832-0001.C020	Black solid material(on magnet buckle, all styles)
SN21	A21	CAN26-0013832-0001.C021	Black soft plastic(cover of socket, all styles)
SN22	A22	CAN26-0013832-0001.C022	Black soft plastic(O-ring, all styles)
SN23	A23	CAN26-0013832-0001.C023	Dark gray sponge (stuffing of pad, all



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SN ID	Sample No.	SGS Sample ID	Description
			styles)
SN24	A24	CAN26-0013832-0001.C024	Black/gray EPS(inner shell, all styles)
SN25	A25	CAN26-0013832-0001.C025	Silvery metal(flat head screw, back of knob base)(all styles)
SN26	A2+A3	CAN26-0013832-0002	Laser silvery adhesive plastic sheet with black printing(round label, all styles) + White adhesive sheet with black printing(CE label, all styles)
SN27	A4+A5+A6	CAN26-0013832-0003	Transparent plastic without coating(shell, all styles) + Transparent plastic(front light cover, all styles) + Transparent plastic(side light cover, all styles)
SN28	A7+A8+A9	CAN26-0013832-0004	Gray transparent plastic(rear light cover, all styles) + Black plastic(rear light base, all styles) + Black plastic(adjusting tape, all styles)
SN29	A10+A11+A12	CAN26-0013832-0005	Black plastic(knob, all styles) + Black plastic(knob base, all styles) + Black plastic(magnet buckle, all styles)
SN30	A13+A14+A15	CAN26-0013832-0006	Black plastic(button of magnet buckle, all styles) + Black plastic(side buckle, all styles) + Black plastic(front of edge, all styles)
SN31	A16+A17+A18	CAN26-0013832-0007	Black plastic(side of edge, all styles) + Black adhesive plastic sheet(hook fastener, all styles) + Black plastic(hook fastener, all styles)
SN32	A21+A22	CAN26-0013832-0008	Black soft plastic(cover of socket, all styles) + Black soft plastic(O-ring, all styles)

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-“ = Not Regulated
- (5) Composite test has been performed and the result(s) is/are calculated using the minimum sample weight which applies to Test Method CPSC-CH-E1003-09.1 / CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3.
- (6) Composite test has been performed and the result(s) is/are calculated using the total mixed sample weight.

**CPSC section 101(f) - Lead in paint/similar surface coating material**

**Test Method:** With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	90	mg/kg	20	ND
<b>Conclusion</b>				<b>Pass</b>



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**CPSIA section 101(a)(2) - Lead in accessible substrate materials**

**Test Method:** With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A19	A20	A23
Lead (Pb)	100	mg/kg	20	ND	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Limit	Unit(s)	MDL	A24	A2+A3	A4+A5+A6
Lead (Pb)	100	mg/kg	20	ND	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Limit	Unit(s)	MDL	A7+A8+A9	A10+A11+A12	A13+A14+A15
Lead (Pb)	100	mg/kg	20	ND	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Limit	Unit(s)	MDL	A16+A17+A18	A21+A22
Lead (Pb)	100	mg/kg	20	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>

**Test Method:** With reference to CPSC-CH-E1001-08.3, analysis was performed by AAS/ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A25
Lead (Pb)	100	mg/kg	20	ND
<b>Conclusion</b>				<b>Pass</b>

**CONSUMER PRODUCT SAFETY COMMISSION-16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates**

**Test Method:** With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1	A23	A2+A3
Benzyl Butyl Phthalate (BBP)	85-68-7	1000	mg/kg	50	ND	ND	ND
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	50	ND	ND	ND
Dicyclohexyl Phthalates (DCHP)	84-61-7	1000	mg/kg	50	ND	ND	ND
Di(2-ethyl hexyl) Phthalate (DEHP)	117-81-7	1000	mg/kg	50	ND	ND	ND
Di-n-hexyl Phthalates (DHEXP/ DnHP)	84-75-3	1000	mg/kg	50	ND	ND	ND
Diisobutyl	84-69-5	1000	mg/kg	50	ND	ND	ND



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Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1	A23	A2+A3
Phthalates (DIBP)							
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	1000	mg/kg	50	ND	ND	ND
Dipentyl Phthalates (DPENP)	131-18-0	1000	mg/kg	50	ND	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A21+A22
Benzyl Butyl Phthalate (BBP)	85-68-7	1000	mg/kg	50	ND
Dibutyl Phthalate (DBP)	84-74-2	1000	mg/kg	50	ND
Dicyclohexyl Phthalates (DCHP)	84-61-7	1000	mg/kg	50	ND
Di(2-ethyl hexyl) Phthalate (DEHP)	117-81-7	1000	mg/kg	50	ND
Di-n-hexyl Phthalates (DHEXP/ DnHP)	84-75-3	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	84-69-5	1000	mg/kg	50	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	1000	mg/kg	50	ND
Dipentyl Phthalates (DPENP)	131-18-0	1000	mg/kg	50	ND
<b>Conclusion</b>					<b>Pass</b>

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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\*\*\*End of Report\*\*\*

