TEST REPORT

APPLICANT	:	ANHUI HARLEY BABY CAR CO.,LTD
ADDRESS	:	No.18 Penglin Road, Dashu Town, Quanjiao County, Chuzhou City, Anhui Province, China.
SAMPLE DESCRIPTION	:	Children Car
ITEM NO.	:	AHL007, AHL007-A
SAMPLE RECEIVED DATE	:	19-Apr-2024
FURTHER INFORMATION DATE	:	23-Apr-2024
TURN AROUND TIME	:	19-Apr-2024 to 24-Apr-2024

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Battery-Powered Ride-On Toys	ASTM F963-17 Section 4.25, 5.15, 6.5, 6.6 & 7.2	Pass
Battery-Powered Ride- On Toys	ASTM F963-23 Section 4.25, 5.14, 6.5, 6.6, 6.9 and 7.2	Pass

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

Signed for and on behalf of
Eurofins Product Testing Service (Hangzhou) Co., Ltd

Sara Liu
Quality Manager

SAMPLE PHOTO(S)

A

EFHZ24044515-CG-01

REFERENCE SAMPLE PHOTO(S)

The reference samples have not been tested in current report, but according to customer´s request, the pictures have also been included. For sample tested in current report, please refer to “sample photo”.

TO BE CONTINUED

TEST RESULT

Battery Powered Ride-On Toys

As per ASTM F963-17 consumer safety specification for toy safety section 4.25, 5.15, 6.5, 6.6 and 7.2. Applicant's specified age group for testing: Over 6 Years

Type of battery：Vehicle : 24 V, 5 Ah, Lead-acid rechargeable battery X 1pc.

Charger: Type：Input 100-120 V A.C., Output 24 V D.C.(Provided)

Model：HK024-240100AXU

Electric operated function: Battery powered Motion, LED Light, Sound.

Section	Testing items	Assessment
4.25.1	Battery marking	P
4.25.2	Maximum allowable direct current potential	P
4.25.3	Protection against charging non-rechargeable battery	NA
4.25.4	Accessible batteries	NA
4.25.5	Accessible batteries that can fit completely within small part cylinder	NA
4.25.6	Isolation of batteries of different types or capacities	NA
4.25.7	Temperature of battery surface	P
4.25.8	Temperature of battery surface or combustion hazard after normal use and abuse test	P
4.25.9	Packaging and Instruction requirement	
	- 5.15 Non-replaceable battery statement in battery operated toys	P
	- 5.15.2 Button or coin cell batteries	NA
	- 6.5 Instruction on safe usage of battery	NA
4.25.10	Battery-powered ride-on toys	P
4.25.10.1	The maximum temperature measured on the insulation of any conductor shall not exceed the temperature rating of the material.	P
4.25.10.2	Battery powered ride on toys shall not present a risk of fire in stalled motor test.	P
4.25.10.3	A battery powered ride on toy designed with a wiring system that has a user replaceable device (fuse type) for the primary circuit protection or a wiring system with user resetable primary circuit protection (manual reset fuse) shall not actuate (open or trip) when tested in accordance with the nuisance tripping test	NA
4.25.10.4	Switches used in battery powered ride on toys. -Polymeric materials in switches used in battery powered ride on toys that are used to support current carrying parts shall carry a minimum flame rating of UI-94 V-0 or have a glow wire ignition rating of 750°C. - The switch body shall not result in a short circuit condition when subjected to the switch endurance test and overload tests. -The switch shall not fail in a mode that could cause the vehicle to run continuously (switch stuck in the "on" position) when subjected to the endurance test and the overload test.	P
4.25.10.5	User replaceable circuit protection devices in battery powered ride on toys. - User replaceable circuit protection devices provided by the manufacturer in battery- powered ride-on toys shall be listed, recognized or certified by a Nationally Recognized Test Laboratory (NRTL) (that is, a laboratory recognized in accordance with 29 CFR 1910) to an appropriate electrical safety standard. - All circuit protection devices used in battery powered ride on toys intended to be replaced by the user shall be replaceable only with the use of a tool or by a design which does not easily allow tempering such as a design requiring excessive force to open.	NA
4.25.10.6	Batteries and battery chargers. - Battery connectors must be constructed of material with a UL94 V-0 flame rating or have a	P

TO BE CONTINUED

TEST RESULT

	glow wire ignition rating of 750°C. - The battery charging system shall not present a risk of fire due to a short circuit condition applied to any point in the length of a charger/battery. -During charging, battery-charging voltages shall not exceed the recommended charging voltages. -Battery charges must be certified to the appropriate standard body. Reference document of certified body：UL E504979	
4.25.10.7	Wiring connected to the main/motor battery shall be short circuit protected and shall not present the risk of fire.	P
4.25.10.8	Strain relief shall be provided to prevent mechanical stress on wires entering a connector block during routine maintenance.	P
4.25.10.9	Battery powered ride on toys shall comply with the requirements for safety labelling, for additional instructional literature, and for required producer's markings. -5.15.1 Safety warnings of battery powered ride on toys -6.6 Instructions -7.2 Producer's marking	P
4.25.11	Toys that contain secondary cells or secondary batteries	NA

Remark： P = Pass
NA = Not Applicable

The test item is subcontracted to other lab.

TO BE CONTINUED

TEST RESULT

Battery Powered Ride-On Toys

As per ASTM F963-23 consumer safety specification for toy safety section 4.25, 5.14, 6.5, 6.6, 6.9 and 7.2.
Applicant's specified age group for testing: Over 6 Years
Type of battery：Vehicle : 24 V, 5 Ah, Lead-acid rechargeable battery X 1pc.
Charger: Type：Input 100-120 V A.C., Output 24 V D.C.(Provided)
Model：HK024-240100AXU
Electric operated function: Battery powered Motion, LED Light, Sound.

Section	Testing items	Assessment
4.25	Battery operated toys	P
4.25.1	Battery information marking in battery compartment	P
4.25.1.1	Label for non-replaceable batteries	P
4.25.2	Nominal voltage between 2 accessible points not exceed 24VDC	P
4.25.3	Designed to prevent charge any non-rechargeable battery exempted button cell.	NA
4.25.4	Battery Accessibility	P
4.25.4.1	Toy intended for children less than 3 years old, all batteries not be accessed before or after foreseeable abuse testing	NA
4.25.4.2	Small batteries not be accessed before or after foreseeable abuse testing	NA
4.25.4.3	Fastener used to secure the battery compartment shall remain attached to the toy or battery compartment cover, before and after testing in accordance with 8.5 –8.10.	P
4.25.4.4	Toy includes specialty fastener to secure the battery compartment	NA
4.25.5	Isolation of batteries of different types or capacities	NA
4.25.6	Temperature on battery surface not exceeding 71°C	P
4.25.6.1	- Battery operated toys during normal use conditions.	P
4.25.6.2	- Lock external moving parts of the toy	P
4.25.7	Not condition occurred hat cause battery overheat or present a combustion hazard	P
4.25.7.1	Temperature on rechargeable lithium batteries during normal use charging and any discharging of the battery.	NA
4.25.8	Packaging and Instruction requirement	P
	- 5.14 Non-replaceable battery statement in battery operated toys	P
	- 5.14.2 Button or coin cell batteries	NA
	- 6.5 Instruction on safe usage of battery	NA
	- 6.9 Toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies)	NA
4.25.9.	Battery-powered ride-on toys	P
4.25.9.1	The maximum temperature measured on the insulation of any conductor shall not exceed the temperature rating of the material.	P
4.25.9.2	Battery powered ride on toys shall not present a risk of fire in stalled motor test.	P
4.25.9.3	A battery powered ride on toy designed with a wiring system that has a user replaceable device (fuse type) for the primary circuit protection or a wiring system with user resetable primary circuit protection (manual reset fuse) shall not actuate (open or trip) when tested in accordance with the nuisance tripping test	NA
4.25.9.4	Switches used in battery powered ride on toys.	P

TO BE CONTINUED

TEST RESULT

Tests Conducted

	- Polymeric materials in switches used in battery powered ride on toys that are used to support current carrying parts shall carry a minimum flame rating of UI-94 V-0 or have a glow wire ignition rating of 750°C. - The switch body shall not result in a short circuit condition when subjected to the switch endurance test and overload tests. - The switch shall not fail in a mode that could cause the vehicle to run continuously (switch stuck in the "on" position) when subjected to the endurance test and the overload test.	
4.25.9.5	User replaceable circuit protection devices in battery powered ride on toys. - User replaceable circuit protection devices provided by the manufacturer in battery-powered ride-on toys shall be listed, recognized or certified by a Nationally Recognized Test Laboratory (NRTL) (that is, a laboratory recognized in accordance with 29 CFR 1910) to an appropriate electrical safety standard. - All circuit protection devices used in battery powered ride on toys intended to be replaced by the user shall be replaceable only with the use of a tool or by a design which does not easily allow tempering such as a design requiring excessive force to open.	NA
4.25.9.6	Batteries and battery chargers. - Battery connectors must be constructed of material with a UL94 V-0 flame rating or have a glow wire ignition rating of 750°C. - The battery charging system shall not present a risk of fire due to a short circuit condition applied to any point in the length of a charger/battery. - During charging, battery-charging voltages shall not exceed the recommended charging voltages. - Battery charges must be certified to the appropriate standard body. Reference document of certified body: UL E504979	P
4.25.9.7	Wiring connected to the main/motor battery shall be short circuit protected and shall not present the risk of fire.	P
4.25.9.8	Strain relief shall be provided to prevent mechanical stress on wires entering a connector block during routine maintenance.	P
4.25.9.9	Battery powered ride on toys shall comply with the requirements for safety labelling, for additional instructional literature, and for required producer's markings. - 5.14.1 Safety warnings of battery powered ride on toys - 6.6 Instructions - 7.2 Producer's marking	P
4.25.10	Toys that contain secondary cells or secondary batteries	NA

Remark: P = Pass NA = Not Applicable

The test item is subcontracted to other lab.

END OF THE REPORT