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Test Report Number: SHAH01688952

Applicant: DONGGUAN LICHUANG TOYS CO., LTD
NO.2 BAISHIGANG MARKET MIDDLE ROAD,
CHANGPING TOWN, DONGGUAN CITY,
GUANGDONG PROVINCE
Attn: YAN JUN YANG

Date: 09 Jul, 2024

Sample Description:

One (1) group of submitted sample said to be :

Item Name	:	Interactive Firetruck
Item No.	:	RT8026
Labelled Age Group	:	37-95 months.
Packaging Provided By Applicant	:	Yes(Art work).
Goods Exported To	:	USA.
Country Of Origin	:	China.

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Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

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Conclusion:

Tested Samples	Standard	Result
Submitted Sample	ASTM F963-23 Section 4.25, 5.14, 6.5, 6.6, 6.9 and 7.2 for Battery-Operated Toys and Battery-Powered Ride-On Toys	Pass

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Prepared And Checked By:
For Intertek Testing Services Wuxi Ltd.

Bill Zhang
General Manager

INTERTEK TESTING SERVICES WUXI LTD. 无锡天祥质量技术服务有限公司 检验检测专用章

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1 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：For ages 37 to 95 months

Type of battery：Vehicle : 12 V, 4.5 Ah, Lead-acid rechargeable battery X 1pc.

Charger type 1：Input 100-120 V A.C., Output 12 V D.C.(Provided)

Model：HK012-120050AXU

Charger type 2：Input 100-240 V A.C., Output 12 V D.C.(Provided)

Model：PZ561-12W-1200500US

Electric operated function：Battery powered Motion, LED Light.

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	P
4.25.4	Batteries accessible	P
4.25.5	Isolation of batteries of different types or capacities	NA
4.25.6	Temperature of battery surface	P
4.25.7	Temperature of battery surface or combustion hazard after normal use and abuse test	P
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. - 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 Ul-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	P

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	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： Charger 1: UL E504979 Charger 2: UL E529862	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

Date Sample Received: 10 May, 2024 & 08 Jul, 2024
Testing Period: 10 May, 2024 To 08 Jul, 2024

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Photo

The Photos Were Submitted By The Client, Not Tested, Only For Reference.

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End Of Report

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