

Test Report Number: SHAH01688952

Date:

09 Jul, 2024

Applicant: DONGGUAN LICHUANG TOYS CO., LTD

NO.2 BAISHIGANG MARKET MIDDLE ROAD, CHANGPING TOWN, DONGGUAN CITY,

GUANGDONG PROVINCE Attn: YAN JUN YANG

Sample Description:

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

Item Name : Interactive Firetruck

Item No.:RT8026Labelled Age Group:37-95 months.Packaging Provided By Applicant:Yes(Art work).Goods Exported To:USA.Country Of Origin:China.

Tests Conducted:

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

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 Pass

Battery-Operated Toys and Battery-Powered Ride-On Toys

Prepared And Checked By:

For Intertek Testing Services Wuxi Ltd.

Bill Zhang General Manager







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Tests Conducted

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.

<u>Section</u>	Testing items	<u>Assessment</u>
4.25.1	Battery marking	Р
4.25.2	Maximum allowable direct current potential	Р
4.25.3	Protection against charging non-rechargeable battery	Р
4.25.4	Batteries accessible	Р
4.25.5	Isolation of batteries of different types or capacities	NA
4.25.6	Temperature of battery surface	Р
4.25.7	Temperature of battery surface or combustion hazard after normal use and abuse test	Р
4.25.8	Packaging and Instruction requirement	Р
	- 5.14 Non-replaceable battery statement in battery operated toys	Р
	- 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	Р
4.25.9.1	The maximum temperature measured on the insulation of any conductor shall not exceed the temperature rating of the material.	Р
4.25.9.2	Battery powered ride on toys shall not present a risk of fire in stalled motor test.	Р
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 	Р



Test Report SHAH01688952 Number: **Tests Conducted** 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 NA - 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. 4.25.9.6 Batteries and battery chargers. Ρ - 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 4.25.9.7 Wiring connected to the main/motor battery shall be short circuit protected and shall not present the risk of fire. Strain relief shall be provided to prevent mechanical stress on wires 4.25.9.8 entering a connector block during routine maintenance. 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 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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The Photos Were Submitted By The Client, Not Tested, Only For Reference.



End Of Report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band w = U) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

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