

Applicant: QUINS GROUP PTY LTD  
2/243a, Sunshine Rd, Tottenham VIC 3012 Australia

Sample description:

One (01) pieces of submitted sample said to be:

Sample description : **Gear puzzle play set**  
Item Number/Style No. : 565  
Labeled age group : 3+  
Age grade for testing : 2+  
Buyer name : Kidsworld Co., Ltd  
Country of origin : Vietnam  
Country of destination : Australia  
Date sample received : March 6, 2023  
Test period : March 7, 2023 to March 10, 2023

\*\*\*\*\*  
Tests conducted: As requested by the applicant, please refer to attached page(s) for details.  
\*\*\*\*\*

For and on behalf of  
Intertek Vietnam LTD



LIEM MAI  
Hardlines Manager

(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)

Conclusion:

<u>No.</u>	<u>Requirement</u>	<u>Result</u>
(1)	ASTM F963-17 -Physical and mechanical tests	Pass
(2)	EN71-1: 2014 + A1: 2018 -Mechanical and physical properties	Pass
(3)	Australian/New Zealand Standard AS/NZS ISO 8124.1: 2019 + AMD1:2022 + AMD2:2020 - Physical and mechanical tests	Pass

(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)

Test conducted

1. Physical And Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Age group for testing: 2+

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulation:		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact test	Section 1500.51 (b)	4 x 3.0 ft
Torque test	Section 1500.53 (e)	4 in-lbf
Tension test	Section 1500.53 (f)	15 lbf
Compression test	Section 1500.53 (g)	30 lbf

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	Material quality (visual check on cleanliness)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	P
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months (small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible Points	P
4.10	Wires and rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic Film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords and elastics in toys	NA
4.15	Stability and over-load requirement	NA
4.16	Confined spaces	NA
4.17	Wheel, tires, and axels	NA
4.18	Holes, clearances and accessibility of mechanisms	NA
4.19	Simulated protective devices, such as helmets, hats and goggles	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA

(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)



Section	Testing items	Assessment
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding materials	NA
4.41	Toy chest	NA
5	Labelling requirement	P (#1)
6	Instructional literature	P (#1)
7	Producer's markings	-
7.1	Producer's markings -Name of producer/distributor (Toy/Package) -Address	Yes (#1) No
7.2	Battery-powered ride-on toy	NA
7.3	Toy chests	NA

**Remark:**

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.17 and 8.19 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

#1 Only the electronic copy of label, artwork was provided.

P = Pass;      NA = Not applicable

(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)

2. Mechanical and Physical

Test Standard: European Standard on Safety of toys EN71-1: 2014 + A1:2018

Age group for testing: 2+

The submitted samples were undergone the following abuse tests:	
<u>Clause</u>	<u>Testing items</u>
8.3	Torque test (0.34 Nm)
8.4.2.1	Tension test (90 N)
8.4.2.2	Seams and materials (70 N)
8.5	Drop test (850 mm x 5)
8.7	Impact test (1 kg)
8.8	Compression test (110 N)

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4	General requirements	-
4.1	Material Clean	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements for children under 36 months	P
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA

(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)

Section	Testing items	Assessment
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	-
7.1	General	P (#1)
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Remark: P = Pass; NA = Not applicable

The submitted samples were undergone the abuse tests for Clause 5.1 and 5.2 in according to 8.3 (Torque test), 8.4 (Tension test): 8.4.2.1 (Tension test at 90N) and 8.4.2.2 (Seams and materials at 70N), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests

(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)

for different types of toys whichever is applicable.

#1 Only the electronic copy of label, artwork was provided.

#1 Below is additional information according to the Toy Safety Directives 2009/48/EC requirement. This information is also appears in annex A.33 of the EN 71 but are not standard requirements:

Marking: The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packaging shall also bear the CE-marking.

After checking, it was found that:

	Toy	Packaging
Manufacturer's name	Absent	Present
Manufacturer's address		Absent
Importer's name		Absent
Importer's address		Absent
Product identification code		Present
CE-marking		Absent

**(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)**

3. Physical and Mechanical test

Test standard: Australian/New Zealand Standard AS/NZS ISO 8124.1:2019 + AMD 1: 2020 + AMD 2: 2020 safety aspects related to mechanical and physical properties.

Age group for testing: 2+

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the clause 5.24 of AS/NZS ISO 8124.1:2019 + AMD 1: 2020 + AMD 2: 2020 before the assessment of the relevant requirement in clause 4:

Clause	Test	Parameter
5.24.2	Drop test	4x93±5 cm
5.24.5	Torque test	0.45±0.02Nm
5.24.6	Tension test	70±2N
5.24.7	Compression test	136±2N

Section	Testing items	Assessment
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.3	Material	P
4.4.1	Small parts	P
4.4.2	Small part warning	NA
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	P
4.7	Points	P
4.8	Projections	NA
4.9	Metal wires and rods	NA
4.10	Plastic film or plastic bags in packaging and in toys	NA
4.11	Cords and elastic	NA
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	NA
4.14	Springs	NA
4.15	Stability and overload requirement	NA
4.16	Enclosures	NA
4.17	Simulated protective equipment, such as helmets, hats and goggles	NA
4.18	Projectile toys	NA
4.19	Flying toys	NA
4.20	Aquatic toys	NA
4.21	Braking	NA
4.22	Toy bicycles	NA
4.23	Speed limitation of electrically driven ride-on toys	NA
4.24	Toys containing a heat source	NA
4.25	Liquid-filled toys	NA
4.26	Mouth-actuated toys	NA
4.27	Toy roller skates, toy inline skates and toy skateboards	NA
4.28	Percussion caps	NA
4.29	Acoustic requirements	NA

(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)





Section	Testing items	Assessment
4.30	Toy scooters	NA
4.31	Magnets and magnetic components	NA
4.32	Yo-yo balls	NA
4.33	Straps intended to be worn fully or partially around the neck	NA
4.34	Sledges and toboggans with cords for pulling	NA
4.35	Jaw entrapment in handles and steering wheels	NA
4.36	Assembly	NA
Annex B	Safety labeling guidelines and manufacturer's markings	-
B.2	Safety-labeling guidelines	
B.2.1	Label definition and location	YES (#1)
B.2.2	Age grading	YES (#1)
B.2.3	Small toys and toys containing small parts	NA
B.2.4	Balloons	NA
B.2.5	Small balls and marbles	NA
B.2.6	Aquatic toys	NA
B.2.7	Crib, playpen toys and mobiles	NA
B.2.8	Toys in contact with food	NA
B.2.9	Toys intended to be assembled by an adult	NA
B.2.10	Crib gyms and similar toys	NA
B.2.11	Simulated protective equipment	NA
B.2.12	Toys with functional sharp edges and functional sharp point	NA
B.2.13	Functional toys	NA
B.2.14	Toy roller skates and toy skateboards	NA
B.2.15	Projectile toys	NA
B.2.16	Toy kites	NA
B.2.17	Toy bicycles	NA
B.2.18	Percussion caps	NA
B.2.19	Toys which produce high impulsive noise	NA
B.2.20	Toy scooters	NA
B.2.21	Magnetic/electrical experimental sets for children 8 years and over	NA
B.2.22	Toys with electrical cables exceeding 300 mm in length	NA
B.2.23	Toys with cord intended for children 18 months and over but under 36 months	NA
B.2.24	Sledges and toboggans with cord for pulling	NA
B.2.25	Toys intended to be attached to a cradle, cot, perambulator or carriage	NA
B.3	Instructional and literature	
B.3.1	Information and instruction	YES (#1)
B.3.2	Crib, playpen toys and mobiles	NA
B.3.3	Crib gyms and similar toys	NA
B.3.4	Toy chest	NA
B.3.5	Liquid-filled teethingers and liquid filled teething toys	NA
B.3.6	Toys intended to be assembled by an adult	NA
B.4	Manufacturer's markings	YES (#1)
Annex D	Toy gun marking	NA

(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)

Remark: P = Pass NA = Not applicable

#1 Only the electronic copy of label, artwork was provided.

The submitted samples were undergone the tests in accordance with section 5.24 on normal use, abuse and specific tests for different types of toys whichever is applicable.

**(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)**

Photo of submitted sample



\*\*\*\*\*

### END OF THE TEST REPORT

*This report (including any enclosures and attachments) are prepared for the exclusive use of the Customer(s) named in the report and solely for the purpose for which it is provided and on the basis of instructions and information and/or materials supplied by Intertek's Customer. The test results relate only to the specific items tested and are not intended to be a recommendation for any particular course of action. Customer is responsible for acting as it sees fit on the basis of such results. Unless Intertek provide express prior written consent, no part of this report should be reproduced, distributed or communicated to any third party. Intertek do not accept any liability if this report is used for an alternative purpose from which it is intended, nor do Intertek owe any duty of care to any third party in respect of this report. Except where explicitly agreed in writing, all work and services performed is governed by Intertek Standard Terms and Conditions of Service which is available on request or can be obtained at <http://www.intertek.com/terms>.*

**(This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory)**