The following information was/were submitted and identified by/on behalf of the client:

Applicant	:	Golden Wheel Die Casting Factory Ltd
Address	:	Unit LG24, Houston Centre, 63 Mody Road, TST East, Kowloon, Hongkong.
Sample Name	:	Furious Road Trip - Stamp Steel Racer
Item Number	:	9301、9302、9303、9304、9305、9306、9307、9308、9309、9310、9311、9312、9313、9314、9315、9316、9317、9318、9319、9320、9321、9322、9323、9324、9325、9326、9327、9328、9329、9330、RM3003
Sample Receive Date	:	May. 08, 2020
Sample Resubmission Date	:	May. 21, 2020
Sample Testing Period	:	May. 08, 2020 - May. 21, 2020
Test Result Summary	:	Please refer to the next page(s)

Authorized signature:

Lab Manager: Gavin Zhou

NINGBO GIG TESTING CO.,LTD. GIG

May. 28, 2020

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

TEST ITEM(S)	TEST REQUESTED	CONCLUSION(S)
Mechanical and physical properties	Toy Safety - ASTM F963-17	PASS
Flammability	Toy Safety - ASTM F963-17	PASS
Migration of certain elements	Toy Safety - ASTM F963-17	PASS
Lead(Pb) content	Toy Safety - ASTM F963-17	PASS
Lead(Pb) content	Consumer Product Safety Improvement Act of 2008 (CPSIA) (HR 4040) Section 101(a)(2) and the Amendment Act(HR 2715)	PASS
Lead(Pb) content	Consumer Product Safety Improvement Act of 2008 (CPSIA) (HR 4040) Section 101(f) and the Amendment Act (HR 2715)	PASS
Lead(Pb) content	California Proposition 65	PASS
Phthalates(DBP, BBP, DEHP, DINP, DIBP, DPENP, DHEXP, DCHP) content	The final rule (16 CFR 1307) issued by the U.S. Consumer Product Safety Commission (CPSC)	PASS
Phthalates(DBP, BBP, DEHP, DINP, DIDP, DnHP) content	California Proposition 65	PASS

Test Result(s):

1. Mechanical and physical properties

Test Method: ASTM F963-17

Labeled age grading	:	3+ years
Applicant's specified age group for testing	:	3+ years
Age grading for test	:	3+ years

Clause	Test Items	Assessment
4.	**Safety Requirements**	
4.1	Material Quality	PASS
4.4	Electrical /Thermal Energy	NA
4.5	Sound Producing Toys	NA
4.6	Small Objects	NA
4.6.1	Toys that are intended for children under 36 months	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games that are intended for use by children who are at least three years old (36 months) but less than six years of age (72 months)	NA
4.7	Accessible Edges	PASS
4.7.1	Potentially hazardous sharp metal and glass edges	PASS
4.7.2	Toys containing potentially hazardous edges that are a necessary part of the function of a toy	NA
4.7.3	Metal toys	PASS
4.7.4	Molded toys	PASS
4.7.5	Exposed bolts or threaded rods	NA
4.8	Projections	PASS
4.8.1	Bath Toy Projections	NA
4.9	Accessible Points	PASS
4.9.1	Potentially hazardous sharp points	PASS
4.9.2	Toys in which an accessible, potentially hazardous sharp point is a necessary function of the toy	NA
4.9.3	Wood	NA
4.10	Wires or Rods	NA
4.11	Nails and Fasteners	PASS
4.12	Plastic Film	NA
4.13	Folding Mechanisms and Hinges	NA
4.13.1	Folding Mechanisms	NA
4.13.2	Hinge-line clearance	NA
4.14	Cords, Straps, and Elastics	NA

Clause	Test Items	Assessment
4.14.1	Cords, straps, and elastics in toys	NA
4.14.2	Self Retracting Pull Cords	NA
4.14.3	Pull Toys	NA
4.14.4	Strings and Lines for Flying Devices	NA
4.14.5	Cords on Toy Bags Intended for Children Up to 18 Months	NA
4.14.6	Ride-on Toys	NA
4.15	Stability and Over-Load Requirements	NA
4.15.1	Stability of Ride-On Toys and Toy Seats	NA
4.15.2	Sideways Stability Requirements	NA
4.15.2.1	Sideways Stability	NA
4.15.2.2	Sideways Stability, Feet Unavailable for Stabilization	NA
4.15.3	Fore and Aft Stability	NA
4.15.4	Stability of Stationary Floor Toys	NA
4.15.5	Overload Requirements for Ride-On Toys and Toy Seats	NA
4.15.6	Wheeled Ride-on Toys	NA
4.16	Confined Spaces	NA
4.16.1	Ventilation	NA
4.16.2	Closures	NA
4.16.2.1	With the closure in a closed position	NA
4.16.3	Toys that Enclose the Head	NA
4.17	Wheels, Tires and Axles	PASS
4.18	Holes, Clearance, and Accessibility of Mechanisms	PASS
4.18.1	Accessible Clearances for Moveable Segments	PASS
4.18.2	Circular Holes in Rigid Materials	NA
4.18.3	Chains and Belts	NA
4.18.3.1	Supporting Chains	NA
4.18.3.2	Chains or Belts for Ride-On Toys	NA
4.18.4	Inaccessibility of Mechanisms	NA
4.18.5	Winding Keys	NA
4.18.6	Coil Springs	NA
4.19	Simulated Protective Devices(such as helmets, hats, and goggles)	NA
4.19.1	Eye Protection	NA
4.19.2	Toys that simulate safety protective devices(examples include, but are not limited to, construction helmets and sports helmets)	NA
4.20	Pacifiers	NA
4.21	Projectile Toys	NA
4.21.1	All Projectiles	NA

Clause	Test Items	Assessment
4.21.1.1	Projectiles with rigid leading edges	NA
4.21.1.2	Projectiles with a foam shaft and a suction cup as the leading edge	NA
4.21.1.3	Other types of projectiles with a suction cup as the leading edge	NA
4.21.2	Projectile Toys with Stored Energy	NA
4.21.2.1	Projectiles launched by discharge mechanisms with stored energy shall not, whatever their orientation, fit entirely into the small parts cylinder	NA
4.21.2.2	Any projectile that has a kinetic energy	NA
4.21.2.3	Projectiles shall not have a kinetic energy per unit area of contact	NA
4.21.2.4	The resilient leading edge(s) on projectiles that have a kinetic energy exceeding 0.08 J	NA
4.21.2.5	Projectiles shall not have any sharp edges or sharp points	NA
4.21.2.6	The discharge mechanisms shall be unable to launch the improvised projectiles	NA
4.21.3	Projectile Toys without Stored Energy	NA
4.21.3.1	Mouth actuated projectile toys	NA
4.21.3.2	Projectiles shall not have any sharp edges or sharp points	NA
4.21.3.3	Arrows intended to be launched from a bow (that is, bow and arrow set) that have a kinetic energy greater than 0.08 J	NA
4.21.3.4	Projectiles in the form of an arrow	NA
4.21.4	Rotors	NA
4.22	Teethers and Teething Toys	NA
4.22.1	Teethers and teething toys shall conform to the dimensional requirements	NA
4.22.2	In addition, teethers and teething toys incorporating nearly spherical, hemispherical, or circular flared ends	NA
4.22.3	Exclusion	NA
4.23	Rattles	NA
4.23.1	In addition to meeting the requirements	NA
4.24	Squeeze Toys	NA
4.24.1	Squeeze toys shall conform to the dimensional requirements	NA
4.25	Battery-Operated Toys	NA
4.25.1	The toy shall be marked permanently on the battery compartment or on the area immediately adjacent to the battery compartment to show the correct battery polarity using the polarity symbols “+” and “−”.	NA
4.25.2	The maximum allowable direct current potential between any two accessible electrical points is 24 V nominal.	NA
4.25.3	Battery-operated toys shall be designed so that it is not possible to charge any non-rechargeable battery.	NA
4.25.4	For toys intended for children less than 3 years old, all batteries shall not be accessible before or after testing	NA

Clause	Test Items	Assessment
4.25.5	For all toys, batteries that fit completely within the small parts test cylinder	NA
4.25.6	Batteries of different types or capacities shall not be mixed within any single electrical circuit	NA
4.25.7	The surfaces of the batteries shall not achieve temperatures exceeding 71°C	NA
4.25.8	No condition shall occur that would cause the toy to fail the temperature requirements of 4.25.7 or present a combustion hazard	NA
4.25.9	Battery-operated toys shall meet the requirements of 6.5 for instructions on safe battery usage	NA
4.25.10	Battery-Powered Ride-On Toys	NA
4.25.11	Toys that Contain Secondary Cells or Secondary Batteries	NA
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.26.1	Protrusions	NA
4.26.2	Crib Mobiles	NA
4.26.3	Crib Gyms	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
4.32.1	Nearly spherical, hemispherical, circular flared, or dome-shaped ends of toys or components of toys	NA
4.32.2	Nearly spherical, hemispherical, or dome-shaped ends of toy fasteners (for example, nails, bolts, screws, pegs)	NA
4.32.3	Preschool Play Figures	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yo Yo 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 Chests	NA
4.41.1	Lid Support	NA
4.41.2	Hinge Line Clearance	NA
4.41.3	Closures	NA

Clause	Test Items	Assessment
4.41.4	Ventilation	NA
4.41.5	Toy chests shall comply with the requirements	NA
5.	**Safety Labeling Requirements**	
5.2	Age Grading Labeling	PASS
5.3	Safety Labeling Requirements	NA
5.4	Aquatic Toys	NA
5.5	Crib and Playpen Toys	NA
5.6	Mobiles	NA
5.7	Stroller and Carriage Toys	NA
5.8	Toys Intended to be Assembled By an Adult	NA
5.9	Simulated Protective Devices	NA
5.10	Toys with Functional Sharp Edges or Points	NA
5.11	Small Objects, Small Balls, Marbles, and Balloons	NA
5.12	Toy Caps	NA
5.13	Art Materials	NA
5.14	Electric Toys	NA
5.15	Battery-Operated Toys	NA
5.16	Promotional Materials	NA
5.17	Magnets	NA
6.	**Instructional Literature**	
6.1	Definition and Description	NA
6.2	Crib and Playpen Toys	NA
6.3	Mobiles	NA
6.4	Toys Intended to be Assembled By an Adult	NA
6.5	Battery-Operated Toys	NA
6.6	Battery Powered Ride-on Toys	NA
6.7	Toys in Contact with Food	NA
6.8	Toy Chests	NA
7.	**Producer's Markings**	
7.1	Either a principal component of a toy or the package of toy shall be marked with the name and address of the producer or the distributor	PASS
7.2	Battery-Powered Ride-on Toys	NA
7.3	Toy Chests	NA

Note: 1. NA = Not Applicable.
2. Lab was no verification on the validity of such labeling information.
3. The sample for Mechanical and Physical Properties testing was submitted on May, 21, 2020.

2. Flammability

2.1. Flammability Test for solids and soft toys materials (CPSC 16 CFR 1500.44 & ASTM F963-17 Annex 5)
As per section 4.2 of the ASTM F963-17

Sample Name	Ignition point	Burn length (inch)	Time (sec)	Burn rate (inch/sec)	Limit (inch/sec)	Conclusion(s)
ROAD MARKS METAL 5 PACK RACING CARS	Edge	1.2	60	0.02	0.10	PASS

Note: 1. DNI = Did not ignite.
2. IBE = Ignited but self-extinguished before burn-rate could be determined.
3. All styles of the submitted toy samples (and its accessories) was/were tested, The above result only showed the most severe burn rate of the samples.

Test Sample Description:

Material No.	Material Description
01	Red paint
02	Yellow paint
03	Blue paint
04	Black paint
05	Silvery metal car body substrate material
06	Black plastic chassis
07	Silvery plastic wheel hub
08	Black TPR tyre
09	Silvery metal axle

3. Migration of certain elements

Test Method: ASTM F963-17

Test item	Limit	Unit	RL	Result(s)				
				01	02	03	04	05
Soluble Antimony (Sb)	60	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	25	mg/kg	2.5	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	1000	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	75	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Chromium (Cr)	60	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Lead (Pb)	90	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	60	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	500	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.
Conclusion(s)				PASS	PASS	PASS	PASS	PASS

Test item	Limit	Unit	RL	Result(s)			
				06	07	08	09
Soluble Antimony (Sb)	60	mg/kg	5	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	25	mg/kg	2.5	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	1000	mg/kg	10	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	75	mg/kg	5	N.D.	N.D.	N.D.	N.D.
Soluble Chromium (Cr)	60	mg/kg	5	N.D.	N.D.	N.D.	N.D.
Soluble Lead (Pb)	90	mg/kg	5	N.D.	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	60	mg/kg	5	N.D.	N.D.	N.D.	N.D.

Test item	Limit	Unit	RL	Result(s)			
				06	07	08	09
Soluble Selenium (Se)	500	mg/kg	10	N.D.	N.D.	N.D.	N.D.
Conclusion(s)				PASS	PASS	PASS	PASS

Note: 1. 1000mg/kg = 0.1%;
2. RL = Report Limit;
3. N.D. = Not Detected (<RL).
4. For sample 01, 02, 03 and 04, the result(s) was based on the dry sample(s).

4. Lead(Pb) content in substrate materials according to ASTM F963 & CPSIA

Test Method: For Metal: CPSC-CH-E1001-08.3
For Non-Metal: CPSC-CH-E1002-08.3

Material No.	Unit	MDL	Limit	Result(s)	Conclusion(s)
05+09	mg/kg	10	100	22	PASS
06+07	mg/kg	10	100	N.D.	PASS
08	mg/kg	10	100	N.D.	PASS

Note: 1. 1000mg/kg = 0.1%;
2. MDL = Method Detection Limit;
3. N.D. = Not Detected (<MDL);
4. For sample(s) 05+09 and 06+07, composite test has been performed as per client's request and the test result is the overall result.

5. Lead(Pb) content in paint and other similar surface coatings according to ASTM F963 & CPSIA

Test Method: CPSC-CH-E1003-09.1

Material No.	Unit	MDL	Limit	Result(s)	Conclusion(s)
01+02	mg/kg	10	90	N.D.	PASS
03+04	mg/kg	10	90	17	PASS

Note: 1. 1000mg/kg = 0.1%;
2. MDL = Method Detection Limit;
3. N.D. = Not Detected (<MDL);
4. For sample 01, 02, 03 and 04, the result(s) was based on the dry sample(s);
5. For sample(s) 01+02 and 03+04, composite test has been performed as per client's request and the test result is the overall result.

6. Lead(Pb) content according to CA65

Test Method: For Coating: CPSC-CH-E1003-09.1
For Non-Metal: CPSC-CH-E1002-08.3
For Metal: CPSC-CH-E1001-08.3

Material No.	Unit	MDL	Limit*	Result(s)	Conclusion(s)
01+02	mg/kg	10	90	N.D.	PASS
03+04	mg/kg	10	90	17	PASS
05+09	mg/kg	10	100	22	PASS
06+07	mg/kg	10	100	N.D.	PASS
08	mg/kg	10	100	N.D.	PASS

Note:
1. 1000mg/kg = 0.1%;
2. MDL = Method Detection Limit;
3. N.D. = Not Detected (<MDL);
4. "*" = The Limited value is based on settlements Case No. CIV 1104003;
5. For sample 01, 02, 03 and 04, the result(s) was based on the dry sample(s);
6. For sample(s) 01+02, 03+04, 05+09 and 06+07, composite test has been performed as per client's request and the test result is the overall result.

7. Phthalates content according to CPSIA

Test Method: CPSC-CH-C1001-09.4

Test Items	CAS No.	Unit	MDL	Limit	Result(s)	
					01+02	03+04
Dibutyl phthalate (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	%	0.010	0.1	N.D.	N.D.
Di-iso-butyl phthalate (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Conclusion(s)					PASS	PASS

Test Items	CAS No.	Unit	MDL	Limit	Result(s)	
					06+07	08
Dibutyl phthalate (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	%	0.010	0.1	N.D.	N.D.
Di-iso-butyl phthalate (DIBP)	84-69-5	%	0.005	0.1	N.D.	N.D.
Di-n-pentyl phthalate (DPENP)	131-18-0	%	0.005	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DHEXP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	N.D.	N.D.
Conclusion(s)					PASS	PASS

Note: 1. % = Percentage by weight;
2. 1000mg/kg = 0.1%;
3. MDL = Method Detection Limit;
4. N.D. = Not Detected (<MDL);
4. For sample 01, 02, 03 and 04, the result(s) was based on the dry sample(s);
6. For sample(s) 01+02, 03+04 and 06+07, composite test has been performed as per client's request and the test result is the overall result.

8. Phthalates content according to CA65

Test Method: CPSC-CH-C1001-09.4

Item No.	Test Items	CAS No.	Unit	MDL	Limit	Result(s)	
						01+02	03+04
1	Dibutyl phthalate (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
2	Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
4	Di-iso-nonyl phthalate (DINP)	28553-12-0	%	0.010	0.1	N.D.	N.D.
5	Di-iso-decyl phthalate (DIDP)	26761-40-0	%	0.010	0.1	N.D.	N.D.
6	Di-n-hexyl phthalate (DHEXP/DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Conclusion(s)						PASS	PASS

Item No.	Test Items	CAS No.	Unit	MDL	Limit	Result(s)	
						06+07	08
1	Dibutyl phthalate (DBP)	84-74-2	%	0.005	0.1	N.D.	N.D.
2	Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	0.1	N.D.	N.D.

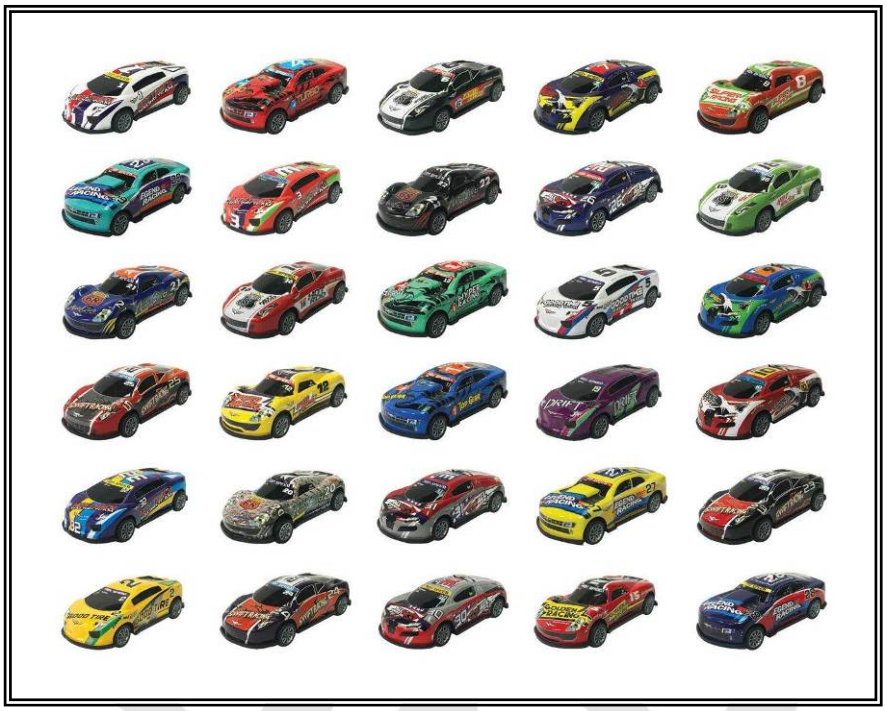
Item No.	Test Items	CAS No.	Unit	MDL	Limit	Result(s)	
						06+07	08
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	0.1	N.D.	N.D.
4	Di-iso-nonyl phthalate (DINP)	28553-12-0	%	0.010	0.1	N.D.	N.D.
5	Di-iso-decyl phthalate (DIDP)	26761-40-0	%	0.010	0.1	N.D.	N.D.
6	Di-n-hexyl phthalate (DHEXP/DnHP)	84-75-3	%	0.005	0.1	N.D.	N.D.
Conclusion(s)						PASS	PASS

Note: 1. % = Percentage by weight;
2. 0.1% = 1000mg/kg;
3. MDL = Method Detection Limit;
4. N.D. = Not Detected (<MDL);
5. For sample 01, 02, 03 and 04, the result(s) was based on the dry sample(s).
6. For sample(s) 01+02, 03+04 and 06+07, composite test has been performed as per client's request and the test result is the overall result.

Remark: This report replaces the report No. GNBC20050615R1EN, Date: May. 26, 2020.

Sample Photo(s):

The photo(s) below was provided by client



GIG authenticate the photo(s) on original report only

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