

TY INC.
P.O.BOX 5377 OAKBROOK.IL.60522

The following samples were submitted and identified by/on behalf of the client as:

BLACK PANTHER REG

Item No. : #41197
Importer : TY INC.
Buyer : TY INC.
Country of Origin : CHINA
Labeled Age Grading : FOR AGES 3 AND UP
Requested Age Grading : NOT STATED
Age Group Assessed by SGS As Per Age Guideline : ALL AGES
Age Group Applied in Testing : ALL AGES
Sample Receiving Date : SEP 26, 2021
Last Submission Sample Date : OCT 13, 2021
Testing Period : SEP 26, 2021 TO OCT 17, 2021



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H33962494

Test Requested		Conclusion
1.	For compliance with the test requirement of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety.	--
	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	PASS
2.	CPSIA section 101 and US California Proposition 65 (Superior Court of California – County of Alameda Case No. RG07356892) - Total Lead content	--
	CPSIA section 101(f) (1) and US California Proposition 65 (Superior Court of California – County of Alameda Case No. RG07356892) – Lead in paint/similar surface coating material	PASS
	CPSIA section 101(a) (2) and US California Proposition 65 (Superior Court of California – County of Alameda Case No. RG07356892) – Lead in accessible substrate materials (Including Children’s Metal Jewelry)	PASS
3.	US 16 CFR Part 1307 – Phthalates	PASS
4.	US California Proposition 65 (ACSC Case No. BG07350969) – Phthalates Content	PASS
5.	Tolerances of the Commonwealth of Pennsylvania Regulation for Stuffed Toys	PASS

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

Signed for and on behalf of
SGS Hong Kong Ltd.



Wong Sau Wai, Athena
Senior Technical Executive



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H33962495

Test Results:

ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	Safety Requirements	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test	<u>Pass</u> <u>(See Result Page)</u>
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	<u>Pass</u> <u>(See Result Page)</u>
4.3.5.2	Heavy Metal in Substrate Materials	<u>Pass</u> <u>(See Result Page)</u>
4.3.7	Stuffing Materials	<u>Pass</u>
4.6.1	Small Objects	<u>Pass</u>
4.6.2	Mouth-Actuated Toys	<u>N/A</u>
4.6.3	Labelling Requirements	<u>N/A</u>
4.7	Accessible Edges	<u>Pass</u>
4.9	Accessible Points	<u>Pass</u>
4.27	Stuffed and Beanbag-Type Toys	<u>Pass</u>
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	<u>Pass</u>
5.16	Promotional Materials	<u>Pass</u>
7	Producer's Markings	
7.1	Producer's Markings	<u>Pass</u>
8.5	Normal Use Testing	<u>Pass</u>
8.7	Impact Test	<u>Pass</u>
8.8	Torque Test	<u>Pass</u>
8.9	Tension Test	<u>Pass</u>

N/A = Not Applicable

** Visual Examination



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H33962496

Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample
BLACK PANTHER REG

Burning Rate (inch/sec)
0.1*

*Burning rate has been rounded to the nearest one tenth of an inch per second.

Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

ASTM F963-17, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)
MDL (ppm)	10
Total Limit (ppm)	90
Specimen Description	Result(s) (ppm)
1. Blue coating on fabric (Body) w/ Silvery glitter w/ adhesive on fabric (Eye)	ND

Soluble Heavy Metal Content

Test Item(s)	Pb	Sb	As	Ba	Cd	Cr	Hg	Se	
MDL (ppm)	5	5	2.5	10	5	5	5	10	
Migration Limit (ppm)	90	60	25	1000	75	60	60	500	
Specimen No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	56.4	ND	ND	ND	ND	ND	ND	ND	ND
2	/	ND	ND	ND	ND	ND	ND	ND	ND



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H33962497

Specimen Description:

1. Silvery glitter w/ adhesive on fabric (Eye)
2. Blue coating on fabric (Body)

- Note:
- ppm = parts per million
 - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - Migration results of eight elements shown are of the adjusted analytical results
 - For Soluble Heavy Metal Content: The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.

ASTM F963-17, Clause 4.3.5.2 – Heavy Elements in Substrate Materials

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)
MDL (ppm)	10
Total Limit (ppm)	100
Specimen Description	Result(s) (ppm)
1. White plastic grain (Inner)	ND
2. White satinet w/ black, red printing (Sewn-in label)	ND



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H33962498

Soluble Heavy Metal Content

Test Item(s)	Pb	Sb	As	Ba	Cd	Cr	Hg	Se	
MDL (ppm)	5	5	2.5	10	5	5	5	10	
Migration Limit (ppm) -- Other Than Modeling Clays	90	60	25	1000	75	60	60	500	
Migration Limit (ppm) -- Modeling Clays	90	60	25	250	50	25	25	500	
Specimen No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	/	ND	ND	ND	ND	ND	ND	ND	ND
3	/	ND	ND	ND	ND	ND	ND	ND	ND
4	/	ND	ND	ND	ND	ND	ND	ND	ND
5	/	ND	ND	ND	ND	ND	ND	ND	ND
6	/	ND	ND	ND	ND	ND	ND	ND	ND
7	/	ND	ND	ND	ND	ND	ND	ND	ND
8	/	ND	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

1. Black fabric (Body)
2. White fabric w/ grey embroidery (Eye)
3. White satinet w/ black, red printing (Sewn-in label)
4. White plastic grain (Inner)
5. White polyfiber (Inner)
6. White non-woven (Inner)
7. White woven band (Inner)
8. White mesh w/ white fabric thread (Inner)

- Note:
- ppm = parts per million
 - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - Migration results of eight elements shown are of the adjusted analytical results
 - For Soluble Heavy Metal Content: The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.



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H33962499

CPSIA and US California Proposition 65 (Superior Court of California – County of Alameda Case No. RG07356892) - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)	Lead (Pb)
Permissible Limit (ppm)	90
Specimen Description	Result(s) (ppm)
1. Blue coating on fabric (Body) w/ Silvery glitter w/ adhesive on fabric (Eye)	ND

- Note:
- ppm = parts per million
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm

CPSIA and US California Proposition 65 (Superior Court of California – County of Alameda Case No. RG07356892) - Lead in Accessible Substrate Materials

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product

Test Item(s)	Lead (Pb)
Permissible Limit **(ppm)	100
Specimen Description	Result(s) (ppm)
1. White plastic grain (Inner)	ND
2. White satinet w/ black, red printing (Sewn-in label)	ND

** Permissible Limit applies to a children's product manufactured after 14 August 2011 (Public Law 110-314 (Consumer Product Safety Improvement Act of 2008) and its Amendments Public Law 112-28)

- Note:
- ppm = parts per million
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm



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H33962500

US 16 CFR Part 1307 – Phthalates Content

Method: With reference to CPSC-CH-C1001-09.4
 Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s) Specimen No.	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
		1	2		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Di-n-pentyl phthalate(DPP/DPEP/DPENP)	131-18-0	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.003	0.1

Specimen Description:

1. White plastic grain (Inner)
2. Silvery glitter w/ adhesive on fabric (Eye) + Blue coating on fabric (Body)

Note:

- % = percentage by weight
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- 1% = 10000 mg/kg = 10000 ppm
- The result(s) is (are) calculated using the total specimen weight for composite test.



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H33957548

California Prop 65 - Phthalates Content

Method: With reference to CPSC-CH-C1001-09.4
 Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s) Specimen No.	CAS No.	Result(s) (%)		MDL (%)
		1	2	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.003
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	0.003
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003
Di-"isononyl" phthalate (DINP)	68515-48-0	ND	ND	0.010
Di-"isodecyl" phthalate (DIDP)	26761-40-0	ND	ND	0.010
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003

Specimen Description:

1. White plastic grain (Inner)
2. Silvery glitter w/ adhesive on fabric (Eye) + Blue coating on fabric (Body)

- Note:
- % = percentage by weight
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - 1% = 10000 mg/kg = 10000 ppm
 - The result(s) is (are) calculated using the total specimen weight for composite test.

Summary of Permissible Limit of Requirement(s) otherwise warning label required:

Requirement(s)	Permissible Limit
California Proposition 65 (ACSC Case No. BG07350969)	
- Toys for children under 6 or childcare articles for children under 3	≤ 0.1% for each of DBP, BBP, DEHP, DIDP, DnHP and DINP



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H33957536

Tolerances of the Commonwealth of Pennsylvania Regulation for Stuffed Toys

Method: With reference to Pennsylvania Regulation for Stuffed Toys

Test Item(s)	Result(s)	MDL	Permissible Limit
	1		
Material Visibly Reveal a Pattern, Weave, or Other Mechanical Unification of Threads to Indicate Prior Use or a Previous Manufacturing Process	Absent	--	Absent
Dirt and Foreign Matter	ND	0.1%	1.0%
Oil and Grease (use Petroleum Ether as Solvent)	ND	0.1%	1.0%
Lead Content (as Pb)	ND	0.002%	0.002%
Arsenic Content (as As ₂ O ₃)	ND	0.0002%	0.0002%
Ammonia Content	ND	5.0%	5.0%
Urea Content	ND	1.0%	1.0%
Plastic or Metal Ornaments	Not Applicable	--	Not Detached
Stones or Other Materials Having Jagged or Sharp Edges	Absent	--	Absent
Electrostatic Charge	Absent	--	Absent
Surface Burn Rate	> 3 seconds per 12inches ²	--	> 3 seconds per 12 inches ²

Specimen Description:

- White polyfiber (Inner)

- Note:
- % = percentage by weight
 - > = greater than
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - Result(s) of specimen No.1 is(are) extracted from report No. T32120300531TY.

N.B. : - Only applicable clauses were shown.



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H33957537

Remark:

- When statement of conformity is made, unless the decision rule was mentioned in above specified test items, the decision rule would be based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability, $w = U_{95}$) in ILAC-G8:09/2019 Clause 4.2.3.
 “Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band.” or “Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%.”
 “Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band.” or “Fail - One or more measured values were observed out of tolerance at the points tested”. The specific false reject risk is up to 2.5%.
 “Inconclusive – It is not possible to state the conformity. Either one or more measured values were observed in the portion of the expanded measurement uncertainty intervals at the points tested where the specific risk is up to 50%.”

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***



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H33957538