

Test Report No.: 143086719a 001

Page 1 of 12

Client: JOHN N. HANSEN CO., INC.
369 Adrian Road, Millbrae, CA 94030-3104, U.S.A.

Test item: Toy

Identification/ Model No(s): FD110231 / #529 STRATO CHESS

Receipt No.: 00090416166 Sample Receiving date: 16 Apr. 2009

Delivery condition: Apparent good, Samples tested as received

Test specification: Test result:

- | | |
|--|------|
| 1. ASTM F963-08: Mechanical and physical | PASS |
| 2. ASTM F963-08: Flammability | PASS |
| 3. ASTM F963-08: Total lead content | PASS |
| 4. ASTM F963-08: Soluble heavy metal | PASS |
| 5. CPSIA Sect 101: Total lead content | PASS |
| 6. CPSIA Sect 108: Phthalates | PASS |
| 7. CPSIA Sect 103: Tracking label | PASS |

Other Information:

Country of Origin: China
Country of Destination: U.S.A.
Appropriate age grading for testing: For ages over 8 years

Checked by:

Reviewed by:



27 Apr. 2009 Gary Siu/ Assistant Project Manager
Date Name/Position

27 Apr. 2009 Nick Wong/ Project Chemist
Date Name/Position

Test result is drawn according to the kind and extent of tests performed.
This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

Test Report No.: 143086719a 001

Page 2 of 12

Material list:

Material No.	Material	Color	Location
1	coating	black	chessboard
2	plastic	transparent	chessboard
3	plastic	black	chess
4	plastic	white	chess
5	plastic	black	non-sliply feet
6	metal	silver	stand
7	metal	silver	screw
8	textile	black	chess
9	plastic	transparent	plastic bag

Test Report No.: 143086719a 001

Page 3 of 12

ASTM F963-08 : Mechanical and physical

Testing period: 17 Apr. 2009 – 21 Apr. 2009

4.	Safety requirements	
4.1	Material Quality	pass
4.5	Sound-producing toys	n.a.
4.6	Small objects	n.a.
4.7	Accessible edges	n.a.
4.8	Projections	n.a.
4.9	Accessible points	n.a.
4.10	Wires and rods	n.a.
4.11	Nails and fasteners	pass
4.12	Packaging film	pass
4.13	Folding mechanisms and hinges	n.a.
4.14	Cords, straps, and elastics	n.a.
4.15	Stability and over-load requirements (#)	n.a.
4.16	Confined spaces	n.a.
4.17	Wheels, tires and axles	n.a.
4.18	Holes, clearance and accessibility of mechanisms	n.a.
4.19	Simulated protective devices	n.a.
4.20	Pacifiers (#)	n.a.
4.21	Projectile toys	n.a.
4.22	Teethers and teething toys	n.a.
4.23	Rattles	n.a.
4.24	Squeeze toys	n.a.
4.25	Battery-operated toys	n.a.
4.26	Toys intended to be attached to a crib or playpen	n.a.
4.27	Stuffed and beanbag-type toys	n.a.

Test Report No.: 143086719a 001

Page 4 of 12

4.28	Stroller and carriage toys	n.a.
4.29	Art materials (#)	n.a.
4.30	Toys gun marking	n.a.
4.31	Balloons	n.a.
4.32	Certain toys with spherical ends	n.a.
4.33	Marbles	n.a.
4.34	Balls	n.a.
4.35	Pompoms	n.a.
4.36	Hemispheric-shaped objects	n.a.
4.37	Yo Yo elastic tether toys (#)	n.a.
4.38	Magnets	n.a.
4.39	Jaw entrapment in handle and steering wheels	n.a.
5	Labeling requirements	
5.1.	Federal government requirements	n.a.
5.2.	Age grading labeling	pass(*)
5.3.	Safety labeling requirements	n.a.
5.4.	Aquatic toys	n.a.
5.5.	Crib and playpen toys	n.a.
5.6.	Mobiles	n.a.
5.7.	Stroller and carriage toys	n.a.
5.8.	Toys intended to be assembled by an adult	n.a.
5.9.	Simulated protective devices	n.a.
5.10.	Toys with functional sharp edges or points	n.a.
5.11.	Small objects, small balls, marbles and balloons	n.a.
5.12.	Toy caps	n.a.
5.13.	Art materials	n.a.
5.14.	Electric toys	n.a.

Test Report No.: 143086719a 001

Page 5 of 12

5.15.	Battery-operated toys	n.a.
5.16.	Promotional materials	pass
5.17.	Magnets	n.a.
6.	Instructional literature	
6.1.	Definition and description	pass
6.2.	Crib and playpen toys	n.a.
6.3.	Mobiles	n.a.
6.4.	Toys intended to be assembled by an adult	n.a.
6.5.	Battery-operated toys	n.a.
6.6.	Toys in contact with food	n.a.
7.	Producer's markings	
7.1.	Name and address of the producer or the distributor	pass
7.2.	Battery-powder ride-on toys	n.a.

Remark:

- * Although no final packaging has been received, the manufacturer/trader/applicant has confirmed that the above information marked (*) will be shown onto the toy itself and/or packaging of the toy.

This test is not covered by accreditation

Testing laboratory accredited by DAP according to DIN EN ISO/IEC 17025. The accreditation is valid for the test methods stated in the certificate.

Test Report No.: 143086719a 001

Page 6 of 12

ASTM F963-08 : Flammability

Testing period: 17 Apr. 2009 – 21 Apr. 2009

4.2 Safety requirements	pass
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(1) Materials other than textiles

The burning rate of the most severe part = 0.01 Inch/sec.

Note: Maximum permissible burning rate = 0.1 Inch/sec.

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Test Report No.: 143086719a 001 Page 7 of 12

ASTM F963-08 : Paint and similar surface-coating materials

CPSIA Sect 101 : Total lead content

Testing period: 17 Apr. 2009 – 22 Apr. 2009

ASTM F963-08 Sect 4.3.5	Paint and similar surface-coating materials	pass
CPSIA Sect 101	Total lead content	pass

(1) Total lead content (including "Paint and similar surface-coating materials" and "Accessible materials")

Test method: Determination of total lead content (hot plate method, with ref. to EPA 3050B, microwave assisted digestion method) (QMA 36.035.05 HKG)

Coating is scraped off for testing regardless of the amount with results calculated based on the actual sample weight

Test result:

Test No.	Material No.	Lead content (mg/kg)
1	1	<10
2	2	<10
3	3	<10
4	4	<10
5	5	129
6	6	<10
7	7	<10
8	8	<10
9	9	<10

Abbreviation: < denotes less than

Remark: According to Consumer Product Safety Improvement Act (HR 4040) which has been signed into law on 14 Aug 2008:

Effective Date	Lead content limit
180 days after enactment/10 Feb 2009	600 ppm
1 year after enactment/14 Aug 2009	300 ppm
3 years after enactment/14 Aug 2011	100 ppm
Effective Date	Lead in paint limit
1 year after enactment/ 14 Aug 2009	90 ppm (existing limit is 600 ppm)

Test Report No.: 143086719a 001	Page 8 of 12
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(2) Soluble heavy metal content

Test method: Determination of heavy metal on paint and similar surface coating material according to ASTM F963-08 (QMA 36.035.25 HKG)

This requirement applies to the coating which can be scraped off and the sample weight is greater than 10 mg

Test result:

Test No.	Material No.	[mg/kg]							
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se
		Limit							
		60	25	1000	75	60	90	60	500
1	1	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

Abbreviation: < denotes less than

Testing laboratory accredited by DAP according to DIN EN ISO/IEC 17025. The accreditation is valid for the test methods stated in the certificate.

Test Report No.: 143086719a 001

Page 9 of 12

CPSIA Sect 108 : Phthalates

Testing period: 17 Apr. 2009 – 24 Apr. 2009

CPSIA Sect 108	Phthalates	pass
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Test method: Organic solvent extraction, analyzed by GCMS (QMA 36.035.13 HKG)

Test result:

	Test No.	1	2	3	4
	Material No.	1	2	3	4
Dibutyl phthalate (DBP)	%	<0.005	<0.005	<0.005	<0.005
Butyl benzyl phthalate (BBP)	%	<0.005	<0.005	<0.005	<0.005
Di-2-ethylhexyl phthalate (DEHP)	%	0.042	<0.005	<0.005	<0.005
Di-n-octyl phthalate (DNOP)	%	<0.005	<0.005	<0.005	<0.005
Di-iso-decyl phthalate (DIDP)	%	<0.005	<0.005	<0.005	<0.005
Di-iso-nonyl phthalate (DINP)	%	<0.005	<0.005	<0.005	<0.005

	Test No.	5	6
	Material No.	5	9
Dibutyl phthalate (DBP)	%	<0.005	<0.005
Butyl benzyl phthalate (BBP)	%	<0.005	<0.005
Di-2-ethylhexyl phthalate (DEHP)	%	<0.005	<0.005
Di-n-octyl phthalate (DNOP)	%	<0.005	<0.005
Di-iso-decyl phthalate (DIDP)	%	<0.005	<0.005
Di-iso-nonyl phthalate (DINP)	%	<0.005	<0.005

Abbreviation: < denotes less than
n.d. denotes not detect

Test Report No.: 143086719a 001

Page 10 of 12

- Remark: *1 Single components with an amount of <0.005% were not considered by the calculation of the sum. In the case which phthalates were not detected, the result is stated "n.d."
- *2 Requirement according to Consumer Product Safety Improvement Act (HR 4040), which are signed by the President on 14 Aug 2008, are summarized below:

Date of Implementation	Parameter	Unit	Maximum Allowable Limit
180 days after the date of enactment/10 Feb 2009	Any children's toy or childcare article:		
	Dibutyl phthalate (DBP), Butyl benzyl phthalate (BBP) or Di-2-ethylhexyl phthalate (DEHP)	%	<0.1
	Any children's toy that can be placed in a child's mouth or childcare article:		
	Di-n-octyl phthalate (DNOP), Di-iso-decyl phthalate (DIDP) or Di-iso-nonyl phthalate (DINP)	%	<0.1

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Test Report No.: 143086719a 001

Page 11 of 12

CPSIA Sect 103 : Tracking label

Testing period: 17 Apr. 2009 – 21 Apr. 2009

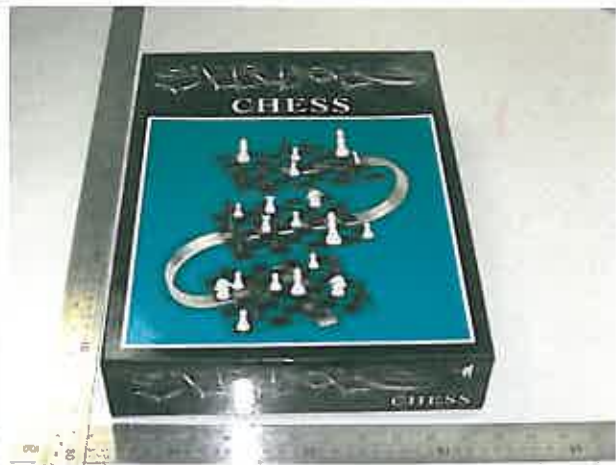
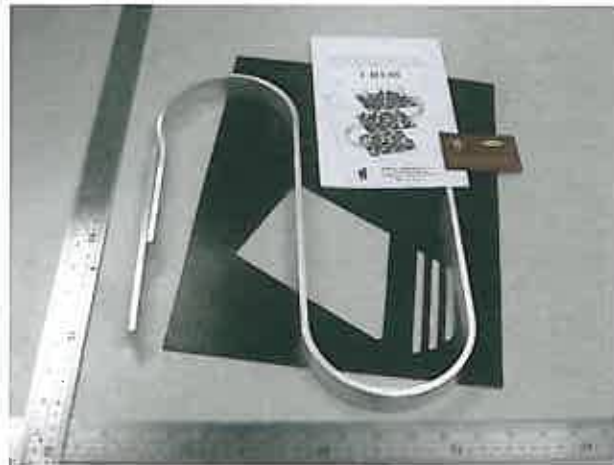
General (Effective on 14 Aug 2009)	pass(*)
Advertisement claims on safety standards (Effective on 13 Oct 2008)	n.a.

Remark: * The manufacturer/trader/applicant has confirmed that the above information marked (*) will be shown onto the packaging or instruction sheet and its toy itself.

Test Report No.: 143086719a 001

Page 12 of 12

Sample photos:



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