



Date : 2018-04-20
No. : SP18040167

Test Report

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Applicant : SEMO HONGKONG LTD
Room 1211, 12th FL. WING ON CENTRE
111 CONNAUGHT ROAD, CENTRAL, HONGKONG

Attn: Mr.Jonathan/ Ms. Ashley

Supplier / Manufacturer : SEMO VINA CO., LTD

Buyer : TEXAS PRODUCTS

Description of Samples : One (1) group of submitted samples said to be:
STYLE NO.: ZZV-10FG03,BRV-10FB03,CWV-11TB05
COUNTRY OF ORIGIN: VIETNAM
COUNTRY OF DESTINATION: USA
AGE GRADING FOR TESTING: ALL AGES

Date Samples Received : 2018-04-16

Date Tested : 2018-04-16 to 2018-04-20

Requirements	Conclusion
1.ASTM Standard Consumer Safety Specification For Toy Safety F 963-17 - physical and mechanical test(Apart from clause 7.1) - flammability test - heavy metal test	Pass
2.US Consumer Product Safety Improvement Act - Total Lead content in paint and surface coating in accordance with Sec. 101 (f) and 16 CFR 1303. - Total Lead content in substrate in accordance with Sec. 101(a). - Phthalates content in accordance with Sec 108 and 16 CFR 1307.	Pass

HUANG Qinglai, Owen
Authorized Signatory

Toys and Children's Products Dept
For and on behalf of

STC (Shanghai) Company Limited

STC (Shanghai) Company Limited

130 Huashen Road, Waigaoqiao Pilot Free Trade Zone, Shanghai, China. Zip Code: 200131

Tel: +86 21 5219 8248 Fax: +86 21 5219 8249 Email: shstc@shstc.org Website: www.stc-group.org

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Item No.	Component Description
<u>Coating materials:</u>	
<u>1</u>	Coating:white/brown
<u>2</u>	Coating on bear schle: white
<u>Plastic materials:</u>	
<u>3</u>	Plastic eyes:black/brown/transparent
<u>4</u>	Plastic eyes:black/blue/transparent
<u>5</u>	Plastic eyes:black
<u>Textile materials:</u>	
<u>6</u>	Bear body:brown
<u>7</u>	Bear hat/shoes:deep brown
<u>8</u>	Bear mouth:beige
<u>9</u>	Bear nose:deep brown
<u>10</u>	Bear label:gray
<u>11</u>	Bear thread:gold
<u>12</u>	Bear thread:brown
<u>13</u>	Bear schle:red
<u>14</u>	Cow body:deep brown
<u>15</u>	Cow silk:deep brown
<u>16</u>	Cow head:white
<u>17</u>	Cow horn:yellow with black
<u>18</u>	Cow tail:white
<u>19</u>	Cow nose:black
<u>20</u>	Cow band:yellow
<u>21</u>	Mouse hat:black
<u>22</u>	Mouse body:gray
<u>23</u>	Mouse schle:red/white/black
<u>24</u>	Mouse thread:black
<u>25</u>	Mouse thread:silver
<u>26</u>	Bear schle: blue
<u>27</u>	Bear schle: white
<u>28</u>	Hat lining: white
<u>Others materials:</u>	
<u>29</u>	Label:white/multicolor

Test Results:

1. ASTM Standard Consumer Safety Specification For Toy Safety F 963-17

AGE GRADING:

The sample did not contain an age grade; however, the applicant requested it be tested according to the age grade of all ages.

AGE GRADING FOR TESTING:

All ages.

1.1 Mechanical and physical hazards of the submitted sample

Ref.: ASTM F 963-17

Applicable requirements before and after use and abuse testing:

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Test Results:

<u>Applicable Section</u>	<u>Description</u>	<u>Result</u>
4	<u>Safety requirements</u>	----
4.1	Material Quality	Pass
4.2	Flammability	Pass*1
4.3	Toxicology	----
4.3.7	Stuffing materials	Pass
4.6	Small Objects	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.10	Wires or Rods	Pass
4.14	Cords, Straps, and Elastics	Pass
4.27	Stuffed and Beanbag-Type Toys	Pass
5	<u>Labeling Requirements</u>	----
5.2	Age grading labeling	*2
7	<u>Producer's Markings</u>	----
7.1	Producer's Name and Address	*3

*1 = Please refer to section 1.2 of this report for details.

*2 = See age grading.

*3 = There was no producer's/distributor's name and address on the submitted sample.

Use and abuse testing:

<u>Applicable Section</u>	<u>Description</u>	<u>Test Condition</u>
8.5	Normal Use Testing	
8.6	Abuse Testing	
8.7	Drop Tests	10 drops at 4.5 ft.
8.8	Torque Tests	4 in-lbs or $\pm 180^\circ$.
8.9	Tension Tests	15 lbs.
8.10	Compression Tests	30 lbs.

1.2 Flammability test for solids and soft toys

Ref.: ASTM F963-17 Section 4.2

Method used: FHS 16CFR 1500.44

Result: Pass

<u>Sample</u>	<u>Burn rate (in/sec.)</u>
Soft toy cow	DNI
Soft toy bear	DNI
Soft toy pig	DNI

DNI = Did not ignite

Note: In accordance with the FHS 16CFR 1500.44, the burn rate should not be greater than 0.1 in. per second.

1.3 Heavy metal test

Ref.: ASTM F963-17 Section 4.3.5

Method: ASTM F963-17 Section 8.3

Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer & Inductively Coupled Plasma Mass Spectrometer



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Test Results:

4.3.5.1 Paint and similar surface-coating

Total lead analysis

<u>Sample</u>	<u>Result</u>	<u>Limit</u>
<u>1</u>	<10ppm	90ppm
<u>2</u>	<10ppm	90ppm

Soluble metals test

	<u>1</u>	<u>2</u>	<u>Limit</u>
Soluble lead.....	<5ppm	<5ppm	90ppm
Soluble cadmium.....	<5ppm	<5ppm	75ppm
Soluble chromium.....	<5ppm	<5ppm	60ppm
Soluble barium.....	<5ppm	<5ppm	1000ppm
Soluble antimony.....	<5ppm	<5ppm	60ppm
Soluble arsenic.....	<2ppm	<2ppm	25ppm
Soluble mercury.....	<5ppm	<5ppm	60ppm
Soluble selenium.....	<5ppm	<5ppm	500ppm

4.3.5.2 Toys Substrate Materials

Total lead analysis

<u>Sample</u>	<u>Result</u>	<u>Limit</u>
<u>3+4+5</u>	<10ppm	100ppm
<u>29</u>	<10ppm	100ppm

Soluble metals test

	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>Limit</u>
Soluble lead.....	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium.....	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium.....	<5ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble arsenic.....	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium.....	<5ppm	<5ppm	<5ppm	<5ppm	500ppm

	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>Limit</u>
Soluble lead.....	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium.....	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium.....	<5ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony.....	<5ppm	6ppm	<5ppm	<5ppm	60ppm
Soluble arsenic.....	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium.....	<5ppm	<5ppm	<5ppm	<5ppm	500ppm



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Test Results:

	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>Limit</u>
Soluble lead.....	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium.....	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium.....	<5ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble arsenic.....	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium.....	<5ppm	<5ppm	<5ppm	<5ppm	500ppm
	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>Limit</u>
Soluble lead.....	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium.....	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium.....	<5ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble arsenic.....	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium.....	<5ppm	<5ppm	<5ppm	<5ppm	500ppm
	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>Limit</u>
Soluble lead.....	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium.....	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium.....	<5ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble arsenic.....	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium.....	<5ppm	<5ppm	<5ppm	<5ppm	500ppm
	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>Limit</u>
Soluble lead.....	<5ppm	<5ppm	<5ppm	<5ppm	90ppm
Soluble cadmium.....	<5ppm	<5ppm	<5ppm	<5ppm	75ppm
Soluble chromium.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble barium.....	<5ppm	<5ppm	<5ppm	<5ppm	1000ppm
Soluble antimony.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble arsenic.....	<2ppm	<2ppm	<2ppm	<2ppm	25ppm
Soluble mercury.....	<5ppm	<5ppm	<5ppm	<5ppm	60ppm
Soluble selenium.....	<5ppm	<5ppm	<5ppm	<5ppm	500ppm
	<u>27</u>	<u>28</u>	<u>29</u>	<u>Limit</u>	
Soluble lead.....	<5ppm	<5ppm	<5ppm	90ppm	
Soluble cadmium.....	<5ppm	<5ppm	<5ppm	75ppm	
Soluble chromium.....	<5ppm	<5ppm	<5ppm	60ppm	
Soluble barium.....	<5ppm	<5ppm	<5ppm	1000ppm	
Soluble antimony.....	<5ppm	14ppm	<5ppm	60ppm	
Soluble arsenic.....	<2ppm	<2ppm	<2ppm	25ppm	
Soluble mercury.....	<5ppm	<5ppm	<5ppm	60ppm	
Soluble selenium.....	<5ppm	<5ppm	<5ppm	500ppm	

Note: < denotes less than.

2. US Consumer Product Safety Improvement Act



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Test Results:

2.1 Children's products containing lead - Total Lead content in paint and surface coating

Ref.: CPSIA Sec 101(f) and 16 CFR 1303

Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

<u>Sample</u>	<u>Result</u>	<u>Limit</u>
1	<10ppm	90ppm
2	<10ppm	90ppm

Note: < denotes less than.

2.2 Children's products containing lead - Total Lead content in substrate

Ref.: CPSIA Sec 101(a)

Determined by: Inductively Coupled Plasma-Optical Emission Spectrometer

<u>Sample</u>	<u>Result</u>	<u>Limit</u>
3+4+5	<10ppm	100ppm
29	<10ppm	100ppm

Note: < denotes less than.

2.3 Phthalates content

Ref.: CPSIA Sec 108 and 16 CFR 1307

Determined by: Gas Chromatography with Mass Selective Detector

<u>Test Item</u>	<u>CAS No.</u>	<u>Result(ppm)</u>		<u>Limit (ppm)</u>	<u>Remark</u>
		1	2		
Di-n-butyl phthalate (DBP)	84-74-2	<100	<100	1000	-
Benzyl-n-butyl phthalate (BBP)	85-68-7	160	798	1000	
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	<100	<100	1000	
Di-n-octyl phthalate (DNOP)	117-84-0	<100	<100	1000	See Note 1
Diisononyl phthalate (DINP)	28553-12-0	<100	<100	1000	
Diisodecyl phthalate (DIDP)	26761-40-0	<100	<100	1000	
Di-n-Hexyl phthalate (DnHP)	84-75-3	<100	<100	1000	See Note 2
Di-isobutyl phthalate(DIBP)	84-69-5	<100	<100	1000	
Di-n-penty1 phthalate(DPENP)	131-18-0	<100	<100	1000	
Di-cyclohexyl phthalate(DCHP)	84-61-7	<100	<100	1000	

<u>Test Item</u>	<u>CAS No.</u>	<u>Result(ppm)</u>		<u>Limit (ppm)</u>	<u>Remark</u>
		3+4+5	29		
Di-n-butyl phthalate (DBP)	84-74-2	<100	<100	1000	-
Benzyl-n-butyl phthalate (BBP)	85-68-7	<100	<100	1000	
Di (2-ethylhexyl) phthalate (DEHP)	117-81-7	<100	<100	1000	
Di-n-octyl phthalate (DNOP)	117-84-0	<100	<100	1000	See Note 1
Diisononyl phthalate (DINP)	28553-12-0	<100	<100	1000	
Diisodecyl phthalate (DIDP)	26761-40-0	<100	<100	1000	
Di-n-Hexyl phthalate (DnHP)	84-75-3	<100	<100	1000	See Note 2
Di-isobutyl phthalate(DIBP)	84-69-5	<100	<100	1000	
Di-n-penty1 phthalate(DPENP)	131-18-0	<100	<100	1000	
Di-cyclohexyl phthalate(DCHP)	84-61-7	<100	<100	1000	

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Test Results:

Note: < denotes less than.

Note 1: The requirements of DNOP, DINP and DIDP are only applicable to components that can be placed in children's mouths.

Note 2: The test results of DNHP, DIBP, DPENP and DCHP are included for reference according to the requirements of the proposed rule of 16 CFR 1307.

The photo of submitted samples



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

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9. Subject to the variable length of retention time for test data and report stored hereinto as to otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of this test report for a period of three years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after the retention period. Under no circumstances shall we be liable for damages of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.
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CPC			
Item #		ZZV-10FG03, BRV-10FB03, CWV-11TB05	
1	Description:	Longhorn, Howdy Bear, Armadillo Ranger	
2	Plush Safety Rules:	Test Parameter	Conclusion
		1. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	Pass/ See results
		-physical and mechanical test(Apart from clause 7.1)	Pass/ See results
		-flammability test	Pass/ See results
		-heavy metal test	Pass/ See results
		2. US Consumer Product Safety Improvement Act	Pass/ See results
		- Total Lead content in paint and surface coating in accordance with Sec. 101(f) and 16 CFR 1303	Pass/ See results
		- Total Lead content in substrate in accordance with Sec. 101(a)	Pass/ See results
		-Phthaltes content in accordance with Sec 108 and 16 CFR 1307	Pass/ See results
3	Importer:	Texas Products	
		2932 Ruger Dr	
		Royse City TX 75189	
		972-638-0228	
4	Contact Info	Frank Conselman	
		PO BOX 2284	
		Rockwall, TX 75087	
		frank@texasproducts.com	
		972-638-0228	
		cell 469-323-1937	
5	Date and Place of Manufacture	April 2018	
		Ho Chi Minh City, Vietnam	
6	Date and Place of Testing	April 2018	
		STC Company Litmited	
		Shanghai, China	

7	Name, address, telephone of	STC Company Limited	
	laboratory	130 Huashen Road, Shanghai, China 200131	
		86-21-5219-8248	