



TEST REPORT

CUSTOMER Time Timer LLC
7707 Camargo Rd.
Cincinnati, OH 45243
USA

Attn: Jan Rogers

Product Name: 8" Audible – TTA1-W
Age labeling: Not for children under 3 years
Age grading: Not for children under 3 years
Supplier: Time Timer LLC
Sample received date: February 6, 2009
Date of testing ended: May 04, 2009

TEST CONDUCTED:

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

CONCLUSION:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
8" Audible – TTA1-W	1. ASTM F963 Physical & Mechanical	1. Does Comply
	2. 16 CFR 1500.44	2. Does Comply
	3. ASTM F963 Heavy Metals	3. Does Comply
	4. Total Lead in Substrate – CPSIA	4. Does Comply
	5. EN-71 Part 3 Heavy Metals	5. Does Comply
	6. Phthalates Partial (3) CPSIA	6. Did Not Exceed the Limits

PAGE 1/TO BE CONTINUED

TOTAL 15 PAGES

PREPARED BY:

SIGNED FOR THE COMPANY BY:

Michael Kim
Account Manager

Ming Lam
Technical Knowledge Manager

The test results stated in this report relate only to the item(s) tested. This test report may not be reproduced except in full, without written approval of Intertek.

Tests identified with an asterisk (*) have been subcontracted.

Intertek

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(1) Mechanical Hazards: Safety of Toys (ASTM F963-07^{E1})

Labeled Age Group:	Not for children under 3	Appropriate Warning Labeling:	Yes
Recommended Age Grading:	Not for children under 3	Machine Washable Plush Toy:	N/A
Tested Age Grade specified by customer:	Not for children under 3	Number of Samples:	15

Procedure: The submitted samples were tested to the applicable sections of ASTM F963-07^{E1} requirements.

P = Pass		F = Fail		N/A = Not Applicable		
Clause	Description	P	F	N/A		
4	SAFETY REQUIREMENTS					
4.1	Material quality (visual check on cleanliness)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.3.7	Stuffing materials (visual check on contaminations)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.5	Sound producing toys					
4.5.1.1	Continuous sound produced by close to the ear toys – L _{Aeq}	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.5.1.2	Continuous sound produced by all other toys – L _{Aeq}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Maximum sound produced by pull along toys – L _{Amax}	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.5.1.3	Impulsive sound produced by close to the ear toys – L _{Cpeak}	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.5.1.4	Impulsive sound produced by all other toys - L _{Cpeak}	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.5.1.5	Impulsive sound produced by percussion caps and explosive – L _{Cpeak}	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.6	Small objects					
4.6.1	Toys intended for children under 36 months of age	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.6.2	Mouth actuated toys	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.6.3	Toys and games for 36 months to 72 months—Small part warning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.7	Accessible edges (under 8 years of age)					
4.7.1	Potential sharp metal and glass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.7.2	Functional sharp edge 48 to 96 months--warning	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.7.3	Metal toys	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.7.4	Molded toys	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.7.5	Exposed bolts or threaded rods	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		



P = Pass		F = Fail		N/A = Not Applicable		
4.8	Projections (under 8 years of age)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.9	Accessible points (under 8 years of age)					
4.9.1	Potential sharp point	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.9.2	Functional sharp point 48 to 96 months--warning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.9.3	Wood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.10	Wires or rods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.11	Nails and fasteners	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*4.12	Packaging film	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.13	Folding mechanisms and hinges					
4.13.1	Folding mechanisms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.13.2	Hinge line clearance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.14	Cords and elastics					
4.14.1	Cords, straps and elastics (less than 18 months of age)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.14.1.1	Break-away feature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.14.2	Self retracting pull cords (less than 18 months of age)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.14.3	Pull toys (less than 36 months of age)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.14.4	Strings and lines for flying devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.14.4	Cords on toy bags intended for children up to 18 months	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.15	Stability and overload requirement					
4.15.2	Sideway stability requirements (60 months of age or less)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.15.2.1	Feet available for stabilization: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.15.2.2	Feet unavailable for stabilization: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.15.3	Fore and aft stability (60 months of age or less)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.15.4	Stationary floor toys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.15.5	Overload requirements for ride on toys and seat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.16	Confined spaces					
4.16.1	Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.16.2	Closures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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4.16.3	Toys that enclose the head		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.17	Wheels, tires, and axles (aged 96 months or less)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.18	Holes, clearance, and accessibility of mechanisms				
4.18.1	Accessible clearances for moveable segments (under 96 months of age)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.18.2	Circular holes in rigid materials (aged 60 months or less)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.18.3	Chains and belts		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.18.3.1	Supporting chains (36 months or less in age)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.18.3.2	Chains or belts for ride on toys		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.18.4	Inaccessibility of mechanisms (aged 60 months or less)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.18.5	Winding keys (under 36 months of age)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.18.6	Coil springs		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.19	Simulated protective devices				
4.19.1	Eye protection		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.19.2	Simulate safety protective devices--label		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.20	Pacifiers (under 36 months of age)				
4.20.2	Small objects		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.20.2	Nipple length: _____ 16 CFR 1511: NOT APPLICABLE		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
*4.21	Projectile toys				
4.21.1.1	Sharp point/edge, small part		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.21.1.2	Tip radius		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.21.1.3	Kinetic energy and resilient impact surface		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.21.1.4	Protective tip		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.21.2	Discharge mechanisms—improvised projectiles		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.21.3	Arrow		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.22	Teethers and teething toys				
4.22.1	Rattle fixture		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.22.2	Supplemental fixture		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



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4.23	Rattles				
	16 CFR 1510 requirement and rattle fixture		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.23.1	Supplemental fixture		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.24	Squeeze toys (under age of 18 months)				
4.24.1	Rattle fixture		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.24.2	Supplemental fixture		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.25	Battery operated toys				
4.25.1	Marking of Battery compartment		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.25.1.1	Toys containing non-replaceable batteries shall be labeled in accordance with 5.15		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.25.2	Maximum DC potential		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.25.3	Unable to charge non-rechargeable batteries		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.25.4	Accessibility of batteries (under 3)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.25.5	Accessibility of batteries - small parts		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.25.6	Isolated circuits		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.25.7	Surface temperature of batteries (less than 71°C)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.25.8	No short circuits		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.25.9	Instructions		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.25.10	Battery Operated Ride On Toys		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.26	Toys intended to be attached to a crib or playpen				
4.26.1	Protrusions		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.26.2	Crib mobile		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.26.3	Crib gyms		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
*4.27	Toy chests				
4.27.1	Lid support		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.27.1.1	0.5 inch drop		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.27.1.2	after 7000 open close cycles		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.27.1.3	Not require adjustment		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.27.1.4	Lid support mechanism clearance		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



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4.27.2	Hinge line clearance		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.27.3	Closures		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.27.4	Ventilation		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.27.5	Safety labeling and instruction		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.28	Stuffed and beanbag type toys		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.29	Stroller and carriage toys		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.30	Art materials		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
*4.31	Toy gun marking		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.32	Balloons—safety labeling		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.33	Certain toys with spherical ends				
4.33.1	Spherical ends attached to a shaft (up to the age of 18 months)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.33.3	Preschool play figures (under 3 years of age)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.34	Marbles (3 years of age or older)				
4.34.1	Toys and games contain marble (at least 3 but less than 8 years of age)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.35	Balls				
4.35.1	Balls/loose balls in toys for children under 36 months of age		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.35.2	Toys contain loose small ball (at least 3 but less than 8 years of age)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.36	Pompoms (under 3 years of age)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
*4.37	Hemispherical shaped objects (under 3 years of age)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Have at least 2 opening: YES/NO		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Interrupted at center: YES/NO		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Have 3 openings: YES/NO		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Scalloped edge: YES/NO		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	One big opening: YES/NO		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
*4.38	Yo Yo elastic tether toys (3 years and older)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.39	Magnets				
4.39.1	Safety labeling		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.39.2	After abuse testing		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



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5	<u>LABELING REQUIREMENTS</u>					
5.4	Aquatic toys			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.5	Crib and playpen toys					
5.5.1	Age grading			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.5.2	Safety labeling			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.6	Mobile					
5.6.1	Age grading			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.6.2	Safety labeling			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.7	Stroller and carriage toys			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.8	Toys intended to be assembled by an adult			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.9	Simulated protective devices			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.10	Toys with functional sharp edges or points			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.11	Small objects, small balls, marbles, and balloons			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.12	Toy caps			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.13	Art materials			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.14	Electric toys			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.15	Battery operated toys					
5.15.1	Battery operated toys			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.16	Promotional materials			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.17	Magnets			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	INSTRUCTIONAL LITERATURE					
6.1	Definition and description			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.2	Toy chests			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Crib and playpen toys			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.4	Mobiles			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.5	Toys intended to be assembled by an adult			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.6	Battery operated toys					
6.6.3	Battery powered ride on toys			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



REPORT NUMBER: WOA00002821-2

REPORT DATE: February 18, 2009

Revised Date: May 4, 2009

P = Pass		F = Fail		N/A = Not Applicable		
6.7	Toys in contact with food	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	PRODUCER'S MARKING					
7.1	Name Yes Address Yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.2	Toy chests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7.3	Battery powered ride on toys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Conclusion: When tested as specified, the submitted sample **does comply** with the *ASTM F963-07*⁶¹ requirements for Mechanical Hazards.

Remark: Received the retest sample for the physical and mechanical test -8" Audible – TTA1-W .



1. The equilateral triangle shall be equal to or larger than the proper height of the signal word.
2. The Exclamation Point inside the triangle shall be at least half of the height of the triangle.
3. The triangle shall be separated from the signal word by a distance of at least equal to the space occupied by the first letter of the signal word, i.e. "W".
4. The statements shall be blocked together within a square or rectangular area, with or without a border. The statements must appear on at least 2 lines. The statement shall be separated from all other graphic materials by a space no smaller than the minimum allowable height of the type size for "other cautionary material". If not separated by that distance, the warning statements must be surrounded by a border.
5. The warning background and type shall be in contrast to the primary packaging background.

The measurement of the primary packaging for 8" **Audible clock** is 58.14 sq. in. therefore the following type sizes must be strictly adhered to:

The Signal word of "**WARNING**" shall be no smaller than 12/64 in height.

The Statement of Hazard of "**CHOKING HAZARD**" shall be no smaller than 9/64 in height.

Other Cautionary Material such as "**Toy Contains A Small Ball**" and "**Not For Children Under 3 Years**" shall be no smaller than 6/64 in height.

Area of Principal Display Panel (Square Inches)	Warning Symbol	Signal Word	Statement of Hazard	Other Cautionary Material
	Size A	Size B	Size C	Size D
0 - 2	≥ 3/64"	3/64"	3/64"	1/32"
>2 - 5	≥ 1/16"	1/16"	3/64"	3/64"
>5 - 10	≥ 3/32"	3/32"	1/16"	1/16"
>10 - 15	≥ 7/64"	7/64"	3/32"	1/16"
>15 - 30	≥ 1/8"	1/8"	3/32"	5/64"
>30 - 100	≥ 5/32"	5/32"	7/64"	3/32"
>100 - 400	≥ 1/4"	1/4"	5/32"	7/64"
>400	≥ 1/2"	1/2"	1/4"	5/32"



(2) Flammability: Federal Hazardous Substances Act and ASTM F963-07^{e1}

Procedure: The method of testing was that described in **16 CFR 1500.44** of the *Federal Hazardous Substances Act and ASTM F963-07^{e1}* for rigid and pliable solids.

Requirement: A material is considered "flammable" if it ignites and burns with a self-sustained flame at a rate greater than 0.1 inches per second along its major axis.

NOTE:

It is our understanding that a sample is considered as having passed the test requirement if it self-extinguishes before burning 6 inches and prior to the lapse of 60 seconds.

	Area of Initial Flame Contact	Burn Length (inches)	Time (seconds)	Burn Rate (inches/second)
Burn 1	Clear Plastic (Bottom)	1.75	60	0.03
Burn 2	Clear Plastic (Top)	-	-	DNI

- All components were tested; the above result represented the strictest burn-rate.

DNI = Did Not Ignite

This sample exhibited Flaming Dripping Residue.

This sample exhibited a Flame Height of 1.5 inches.

Conclusion: Based upon the results of the test reported above, the submitted sample **does comply** with the requirements of the U.S. Federal Hazardous Substances Act, 16 CFR 1500.44 and ASTM F963-07^{e1}, Section 4.2.

**(3) Chemical Analysis: Heavy Metals**

Procedure: Analysis of the paints or coatings was performed by *Inductively Coupled Argon Plasma Spectroscopy* to determine compliance with the ASTM F963-07^{e1}, paragraph 4.3.5 and 16 CFR 1303.

Requirements:

- A. ASTM F-963-07^{e1}: Coating materials, to be deemed suitable for use where dry film might be ingested by children, shall not contain weak acid extractable metals.
- B. CPSC: The lead content shall not exceed 0.06 weight percent (600 ppm) of the dried paint film as required by 16 CFR 1303.

However, as of August 14, 2009, the limit for total lead content will be lowered to 90 ppm in accordance with the Consumer Product Safety Improvement Act of 2008 (CPSIA).

	Results (ppm)		Limit (ppm)
	1	2	
Soluble Antimony	<2	<2	60
Soluble Arsenic	<2	<2	25
Soluble Barium	<2	885.5	1000
Soluble Cadmium	<2	<2	75
Soluble Chromium	<2	<2	60
Soluble Lead	<2	<2	90
Soluble Mercury	<2	<2	60
Soluble Selenium	<2	<2	500
Total Lead	<10	<10	600

Component	Description
1	Black Coating
2	Red Coating Timer

Conclusion: When tested as specified, the submitted sample **does comply** with the requirements of 16 CFR 1303 and ASTM F963-07^{e1} for lead and other heavy metals.



(4) Chemical Analysis: Total Lead in Substrates

Procedure: Acid digestion per **EPA 3050B/3051** was used and the total lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Requirement: The lead content shall not exceed 600 ppm of any part of the product as required by the **Consumer Product Safety Improvement Act of 2008 (CPSIA 2008)**.

However, as of August 14, 2009, the limit for total lead content will be lowered to 300 ppm.

Sample Utilized: Complete Product Digested

Test Results:

Parameter	Results (ppm)					Limit (ppm)
	1	2	3	4	5	
Total Lead	<10	<10	<10	<10	<10	600

Parameter	Results (ppm)			Limit (ppm)
	6	7	8	
Total Lead	<10	13.9	<10	600

Component	Description
1	Black Plastic
2	Black Plastic On/Off Switch
3	Clear Plastic Cover/Stand
4	Black Ribbon in Battery Compartment
5	Clear Plastic Timer
6	White Plastic
7	Gold Metal Timer Wheel
8	Metal Tabs in Battery Compartment

Conclusion: When tested as specified, the submitted sample **does comply** with the requirements set forth in the **Consumer Product Safety Improvement Act of 2008 (CPSIA 2008/H.R. 4040)**, Title I, Section 101 for total lead content in substrates.



(5) Chemical Analysis: EN71 Part III: 1994 Migration of Certain Elements

Coating paints, Varnishes, Lacquers, Printing inks, Plastic, Paper, Wood, Crayons, Modeling Clay, Finger Paints, Glass / Ceramics

Procedure: A test portion is mixed with 50 times its mass of an aqueous solution of 0.07N HCl. Check pH if greater than 1.5 adjust to a pH 1.5 or less with 2.0N HCl. Protect from light. Agitate the mixture for 1 hour at a temperature of 37 ± 2°C. Allow the mixture to stand for 1 hour at 37°± 2°C. Centrifuge or filter the mixture and examine the resulting solution to determine the presence and quantity of the appropriate elements specified below. Analysis is performed by using *ICAP Emission Spectroscopy*.

Sample Utilized: Substrate

Test Results:

		Results Soluble (mg/kg)					
		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
Element	Max Limit mg/kg						
Antimony	60	<2	<2	<2	<2	<2	<2
Arsenic	25	<2	<2	<2	<2	<2	<2
Barium	1000	<2	<2	<2	6.2	<2	<2
Cadmium	75	<2	<2	<2	<2	<2	<2
Chromium	60	<2	<2	<2	3.2	<2	<2
Lead	90	<2	<2	<2	2.5	<2	<2
Mercury	60	<2	<2	<2	<2	<2	<2
Selenium	500	<2	<2	<2	<2	<2	<2

Component	Description
1	Black Plastic
2	Black Plastic On/Off Switch
3	Clear Plastic Cover/Stand
4	Black Ribbon in Battery Compartment
5	Clear Plastic Timer
6	White Plastic

Conclusion: When tested as specified, the submitted sample **does comply** with the requirements of **EN71 Part III: 1994**.



(6) Chemical Analysis: Consumer Product Improvement Act of 2008 – Sec. 108 Phthalate Content:

PHTHALATE BAN: - Beginning February 10th, 2009 it shall be unlawful for any person to manufacture for sale, offer for sale, distribute in commerce, or import into the United States any children’s toy or child care article that contains concentrations of more than 0.1 percent of di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), or benzyl butyl phthalate (BBP).

INTERIM PROHIBITION: - Beginning February 10th, 2009 and until a final rule is promulgated, it shall be unlawful for any person to manufacture for sale, offer for sale, distribute in commerce, or import into the United States any children’s toy that can be placed in a child’s mouth or child care article that contains concentrations of more than 0.1 percent of diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), or di-n-octyl phthalate (DnOP).

PROCEDURE: Sample extraction by Soxhlet (ASTM D3421); Ultrasonic; or Microwave method
Analysis: Gas Chromatographic-Mass Spectrometric (GC-MS)

REQUIREMENTS:

- DEHP, DBP, or BBP – not to exceed 0.1%
- Interim Prohibition - DINP, DIDP, or DnOP – not to exceed 0.1%

	<u>RESULT (% (w/w))</u>					<u>Limit(% (w/w))</u>
	1	2	3	4	5	
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Butyl Benzyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Diethyl Hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Di-(n-octyl) Phthalate (DnOP)	ND	ND	ND	ND	ND	0.1
Di-(iso-nonyl) Phthalate (DINP)	ND	ND	ND	ND	ND	0.1
Di-(iso-decyl) Phthalate (DIDP)	ND	ND	ND	ND	ND	0.1

<u>Component</u>	<u>Description</u>
1	Black Plastic
2	Black Plastic On/Off Switch
3	Clear Plastic Cover/Stand
4	Black Ribbon in Battery Compartment
5	Clear Plastic Timer
6	White Plastic

**ND=Not Detected (<0.005%)

Conclusion: The submitted toy and / or Childcare article(s) **did not exceed** the limit for the Phthalates specified in the Section 108 (a) and (b) of the Consumer Product Safety Improvement Act of 2008.

