



RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

Labeled Age Grade	:	NOT PRESENT
Appropriate Age Grade	:	NOT REQUESTED
Client's Specified Age Grade	:	OVER 3 YEARS OF AGE
The Appropriate Age Grade is determined according to the Age Determination Guidelines of the Consumer Product Safety Commission (CPSC); and the ASTM F963-03, "Standard Consumer Safety Specification on Toy Safety". Annex A1		
Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.		
Note : If the client does not specify an age grade for testing or request BVCPS to determine an appropriate age grade, the labeled age grade will be used for testing.		

USE AND ABUSE TESTS

The samples undergo the tests in accordance with section 8.6 through 8.16, whichever is applicable		
Test	Test Parameters	Standard Reference
Impact Test	4 x 3 ft	1500.53(b)
Torque Test	4 in-lbs	1500.53(e)
Tension Test	15 lbs	1500.53(f)
Compression Test	30 lbs	1500.53(g)

PHYSICAL AND MECHANICAL HAZARDS (FHSA 16 CFR 1500)

Part	Requirement	Result
16 CFR 1501	Small Parts	N/A
16 CFR 1500.48	Sharp Points	M
16 CFR 1500.49	Sharp Edges	M

M = Meet DNM = Does Not Meet N/A = Not Applicable R = Refer to Comment Section



RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-03)

Section	Requirement	Result
4.1	Material Quality	M
4.2	Flammability	NT
4.3.1	Hazardous Substances	N/A
4.3.2	Manufacturing and Packaging of Food	N/A
4.3.3	Indirect Food Additives	N/A
4.3.3.1	Toy Components Used in Contact with Food Labeling	N/A
4.3.3.2	Ceramicware	N/A
4.3.4	Cosmetics	N/A
4.3.5	Paint and Similar Surface-coatings	N/A
4.3.5.1	Lead Content 16 CFR 1303	N/A
4.3.5.2	ASTM Heavy Metals	N/A
4.3.6	Toy Cosmetics, Liquids, Pastes, Putties, Gels and Powders	N/A
4.3.6.1	Water Used in Toys	N/A
4.3.6.2	Microbial Degradation During Shelf Life	N/A
4.3.6.3	Cleanliness to Prevent Microbial Degradation	N/A
4.3.7	Stuffing Materials – Visual Inspection	N/A
4.3.8	DEHP (DOP)	N/A
4.4	Electrical / Thermal Energy	N/A
4.5	Sound Producing Toys	N/A
4.6	Small Objects	N/A
4.6.2	Mouth-Actuated Toys	N/A
4.7	Accessible Edges	M
4.7.3	Metal Toys	N/A
4.8	Projections	N/A
4.9	Accessible Points	M
4.9.3	Wood	N/A
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners	N/A
4.12	Packaging Film	N/A
4.13	Folding Mechanisms and Hinges	N/A
4.13.1	Folding Mechanisms	N/A
4.13.2	Hinge Line Clearance	N/A
4.14	Cords and Elastics	N/A
4.14.1	Cords and Elastics in Toys	N/A
4.14.1.1	Self Retracting Pull Cords	N/A
4.14.2	Pull Toys	N/A
4.14.3	Strings and Lines for Flying Devices	N/A
4.14.4	Cords on Toy Bags Intended for Children up to 18 months	N/A
4.15	Stability and Overload Requirements	N/A
4.15.2.1	Sideways Stability, Feet Available	N/A
4.15.2.2	Sideways Stability, Feet Unavailable	N/A
4.15.3	Fore and Aft Stability	N/A
4.15.4	Stability of Stationary Floor Toys	N/A
4.15.5	Overload Requirements	N/A
4.16	Confined Spaces	N/A



RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-03)

Section	Requirement	Result
4.16.1	Ventilation	N/A
4.16.2	Closures	N/A
4.16.3	Toys that Enclose the Head	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearance, and Accessibility of Mechanisms	N/A
4.18.1	Moveable Segments	N/A
4.18.2	Circular Holes	N/A
4.18.3	Chains and Belts	N/A
4.18.4	Inaccessibility of Mechanisms	N/A
4.18.5	Winding Keys	N/A
4.18.6	Coil Strings	N/A
4.19	Simulated Protective Devices	N/A
4.19.1	Eye Protection	N/A
4.20	Pacifiers	N/A
4.20.1	Nitrosamine Levels	N/A
4.20.2	Toy Pacifiers	N/A
4.21	Projectile Toys	N/A
4.21.1	Kinetic Energy is Determined by the Toy	N/A
4.21.1.1	Sharp Edges, Sharp Points, and Small Parts	N/A
4.21.1.2	Tip Radius Less Than 0.08 J	N/A
4.21.1.3	Kinetic Energy that Exceeds 0.08 J	N/A
4.21.1.4	Protective Tip	N/A
4.21.1.5	Discharge Mechanism Incapable of Storing Energy	N/A
4.21.2	Discharge Mechanism	N/A
4.21.3	Arrow	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.24.1	Requirements for Rattles	N/A
4.24.2	Supplemental Test Fixture	N/A
4.25	Battery-Operated Toys	N/A
4.25.1	Compartment Marked Permanently Polarity; Instructions	N/A
4.25.1.1	Non-Replaceable Battery Labelling	N/A
4.25.2	Maximum Allowable dc Potential	N/A
4.25.3	Positive Protection From Charging	N/A
4.25.3.1	Powered Only By Button Cell Batteries	N/A
4.25.4	Accessibility of Batteries for Children Less Than 3 Years Old	N/A
4.25.5	For all Toys	N/A
4.25.6	Batteries of Different Types or Capacities	N/A
4.25.7.1	Surfaces Shall Not Achieve Temperatures Exceeding 71°C	N/A
4.25.7.2	External Moving Parts of Toys Mechanically Linked	N/A
4.25.8	Fail Temperature Requirement or Present a Combustion	N/A
4.25.9	Battery Operated Toy Instructional Labelling	N/A
4.25.10	Battery Powered Ride-On Toys	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.26.1	Protrusions	N/A



RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-03)

Section	Requirement	Result
4.26.2	Crib Mobiles	N/A
4.26.3	Crib Gyms	N/A
4.27	Toy Chests	N/A
4.27.1	Lid Support	N/A
4.27.1.1	Vertically Opening Hinged Lids	N/A
4.27.1.2	7000 Opening and Closing Cycles	N/A
4.27.1.3	Lid Support	N/A
4.27.1.4	Lid Support Mechanisms Clearances	N/A
4.27.2	Hinge Line Clearances	N/A
4.27.3	Closures	N/A
4.27.4	Ventilation	N/A
4.28	Stuffed and Bean Bag-Type Toys	N/A
4.30	Art Materials	N/A
4.31	Toy Gun Marking	N/A
4.33	Certain Toys with Spherical Ends	N/A
4.33.2	Preschool Play Figures	N/A
4.35	Balls	N/A
4.36	Pom-poms	N/A
4.37	Hemispherical Shaped Objects	N/A
	Labelling Requirements	
5.1	Federal Government Requirements	N/A
5.3	Safety Labelling Requirements	N/A
5.3.1	Safety Label Content	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 and Points	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons (16 CFR 1500.19)	N/A
5.12	Toy Caps	N/A
5.13	Art Materials	N/A
5.14	Electric Toys	N/A
5.15	Battery Operated Toys	N/A
5.15.1	Battery Operated Ride-On Toys	N/A
5.16	Promotional Materials	M



RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-03)

Section	Requirement	Result
	Instructional Literature	
6.1	Definition and Description	N/A
6.2	Toy Chests	N/A
6.3	Crib and Playpen Toys	N/A
6.4	Mobiles	N/A
6.5	Toys Intended to be Assembled by an Adult	N/A
6.6	Battery Operated Toys	N/A
6.7	Toys in Contact with Food	N/A
7.1	Producer's Markings	M
7.2	Toy Chests	N/A
7.3	Battery Powered Ride-On Toys	N/A

M = Meet DNM = Does Not Meet N/A = Not Applicable R = Refer to Comment Section NT = Not Tested

RESULTS:

Exhibit # 1



Sample Product