	Protocol 340-B						
	FLASHLIGHT (BATTERY OPERATED)						
Test Property	Test Method	Samples	Test Principle/Requirements	Rating (Section or Executive Summary which failed items can be referenced)			
LABELING							
			Manufacturer, packer, or distributor's name & address (city, state & zip)				
	F.P. & L. Act, 16 CFR 500 (For one time use products) OR NIST Handbook 130 Uniform Laws and Regulations		Product Identification Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison (U.				
† Product Packaging and Labeling	(For others)	All Samples	S. and metric units).				
†Country of Origin Marking	19 CFR 134.11	All Samples	Shall indicate country of origin legibly, permanently, and in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Shall be visible at point of purchase.				
†Plastic Bag Warning Statement (if provided)	Requirements Based on Various State Laws	All Samples	Plastic bags with a thickness of less than one mil (0.001 inch), in which a diameter is 5 inches or greater (when formed into a circle) used as packaging or packaging article for domestic/household use (e.g. laundry bag, garbage bag) shall contain a warning statement as following or equivalent to below, visible on both sides of each bag: WARNING: Keep this bag away from babies and children. Do not use in cribs, beds, carriages or playpens. The thin film may cling to nose and mouth and prevent breathing. This bag is not a toy. The warnings shall be printed clearly as to prevent the ink from smearing or upon a gummed label securely attached to the bag. It shall be contrasted by typography, layout or color from the contents of the bag and from other printed matter on the bag, if any. If the total length and width is > 40°, the warning shall be repeated in 20-inch intervals. The font size shall adhere to: Total length and width so Font 60 inches or more at least 24 points 40 inches to less than 60 inches at least 18 points 25 inches to less than 40 inches at least 14 points less than 25 inches at least 10 points				
†US FCC Part 15 Rules	Document Check	All Samples	If operating frequency > 1.705MHz, shall have valid FCC part 15V report for verification.				
			Marking shall include, Model number "This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device must accept any interference received, including interference that may cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation." Instruction manual shall include, "Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment." "NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna.				
			Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.				
†US FCC Part 15 marking and instruction	Visual Check	All Samples	Consult the dealer or an experienced radio/TV technician for help."				

			- Standard icon can be use on packaging from a single icon to	
			completed grouping of icon. - The smallest size icon that will be acceptable on packaging is	
			9.0 mm x 9.0 mm for an individual icon.	
			- All icons on the same surface or side of a package or	
			document must be the same size.	
			- The icons must only have a total of two contrasting colors, all icons on the same surface or side of a package or document	
			must use the same color scheme.	
			- If an individual icon is used or the icons are separated on the	
			packaging, then the format for the icon will require the solid "FL	
			1 Standard" border to be on top - If icons are linked together, then the solid "FL 1 Standard"	
			border is extended to cover all icons; and this border can be on	
Marking Check	ANSI/NEMA FL 1-2009		top or on the left side of the icons. The linked icons must	
(if applicable)	Sec.3	All Samples	represent a common setting / function of the lighting device	
			Packaging of products using replaceable batteries shall indicate the type/designation and number of batteries required	
Battery Product Packaging	Visual Check	All Samples	and whether they are included or not. Report claim.	
			Battery compartment have replacement pictorials or markings	
			providing the following information: (as applicable)	
			- Number of batteries - Size / Type of batteries	
Battery Compartment Marking	Visual Check	All Samples	- Polarity orientation	
g			The following statement either in the instructions or marked on	
			the device (required only for devices which use more than one	
			battery in one circuit)	
			- Do not mix old and new batteries - Do not mix alkaline, standard (carbon-zinc), or rechargeable	
Battery Warning Statement	Visual Check	All Samples	(ni-cad, ni-mh, etc) batteries	
			Use/care instructions that are clear and understandable shall	
Use Labeling	Visual Check	All Samples	be provided in language appropriate to destination countries.	
Instructions	Visual Check	All Samples	Shall provide an easy understandable instructions regarding assembly, use and maintenance	
1130 00015			The following instruction shall be provided in user manual:	
			- Method of battery replacement	
			- Battery disposal	
Instructions for Product Used with Rechargeable	Viewel Cheek		- Warning statement to state that only the rechargeable battery	
Battery	Visual Check	All Samples	should be used.	
Parts Labeling	Visual Check	All Samples	Shall match the actual content if present.	
Verify Label claims	Actual Use	All Samples	Must comply with all claims	
			Each lithium cell or battery must be of the type proven to meet	
			the criteria in Part III, sub-section 38.3 of the UN Manual of Test and Criteria.	
			for and ontona.	
Lithium cells and batteries (If applicable)	49CFR. 173.185 (a)	All Samples	Valid test report within one year shall be provided.	
Marking on the outside case of lithium ion battery	400ED 470 405 (1)		Each lithium ion battery subject to this provision must be	
(For rechargeable battery only, if applicable)	49CFR. 173.185 (c)	All Samples	marked with the Watt-hour rating on the outside case. All samples shall be reviewed against the requirements of	
			Reese's Supplement Protocol to determine if additional testing	
*Reese's Law Supplemental Protocol	Refer to Protocol 1700	All Samples	or labeling is required	
PHYSICAL CHARACTERISTICS				
			Report overall dimensions; shall meet claims (If applicable).	
Dimensions (Inch)	Standard Measurement	1 Sample	(-5% / +5%).	
Mainte (lb)	Chandrad Management	1 Comula	Report overall weight; shall meet claims (If applicable). (-5% /	
Weight (lb)	Standard Measurement	1 Sample	+5%). Report overall dimensions; shall meet claims (if applicable).	
Lens Dimensions (Inch)	Standard Measurement	1 Sample	(-5% / +5%).	
			Report overall dimensions; shall meet claims (if applicable).	
Handle (Inch)	Standard Measurement	1 Sample	(-5% / +5%).	
Number and Size of Batteries	Visual Check	1 Sample	Report; shall meet claims (If applicable).	
Bulb type and size	Visual Check	1 Sample	Report; shall meet claims (If applicable).	
The number of LED	ricual official		The number of LED shall be recorded; it shall meet claims (If	
(if applicable)	Visual Check	1 Sample	applicable).	
The color of LED		10.	The color of LED (including change color) ;it shall meet claims	
(If applicable)	Visual Check	1 Sample	(If applicable).	
CONSTRUCTION QUALITIES	I			
			All components shall be provided as claimed and shall not be deformed or fractured	
			deformed or fractured. • All hardware shall be provided.	
			All welds shall be smoothly finished and free from pits and	
			splatter.	
			• All components shall not contain any burrs or sharp edges (test by touch or sight).	
			Product shall not contain any loose components or unsecured	
Kohl's Workmanship Review	Visual Check	All Samples	fastening where rigidity is required.	
	16 CFR 1500.48/1500.		Shall have no sharp points/edges, other than those required for	
Sharp Points / Edges	49 (Mod.)	1 Sample	function.	
PERFORMANCE	1			
E. Strandon J	A = 1 - 1 - 1	1.0	To check if the product is able to operate as intended	
Functional Check	Actual Use	1 Sample	according to the instruction manual. Report relative ease of installation. Report if instructions	
	Follow directions for		pertaining to installation are complete and understandable.	
	installation in Instruction			
1 . .	manual	1 Sample	Parts shall be provided as claimed.	
Ease of Installation	manuai	roumpie		
Ease of Installation Switch Durability	Actual Use	1 Sample	No loosening or malfunction after 200 repeated uses	

Normal Use Test	Actual Use	1 Sample	No part deterioration after 8 hours of use	
Normal Use rest	Actual Use	i Sample		
			The unit shall be sufficiently stable to remain standing when	
Stability Test (If applicable)	Standard Method	1 Sample	resting on a plane inclined 8 degrees to the horizontal.	
			No cracking, crazing, separation of parts, other detrimental affects, or loss of serviceability subjecting the flashlight to the	
			following:	
Resistance to Environmental Exposure	Standard Method	1 Sample	- 4 hrs at 120°F - 4 hrs at 0°F	
P = 0.0				
Resistance to Corrosion (for metal components)	ASTM B117	1 Sample	Withstand 24 hours in 5% salt spray (fog) with no major corrosion or visual change.	
	ANSI C18.1M Part 2		For non-rechargeable batteries, the undischarged battery sample shall be short-circuited and remain on test for 24 hours	
	Cls. 7.4.2		or until the case temperature declines by 20% of the	
	(Mod: sample size = 1; temp. tested = 20+/-		temperature rise.	
	5degC) ANSI C18.2M Part 2	1 Sample	No explosion and no fire occur. For rechargeable batteries, fully charged sample shall be	
	Cls. 7.2.2		short-circuited and remain on test for 24 hours or until the case	
Battery Short Circuit Test	(Mod: sample size = 1; temp. tested = 20+/-		temperature declines by 20% of the temperature rise.	
(If applicable)	5degC)	1 Sample	No explosion and no fire occur. A battery is subjected to a constant charging current of two	
			times the recommended charging current or maximum of 2.0	
			times of C5 rate. A thermocouple is to be attached to the unit. The battery shall remain on test for either one hour, until the	
Battery Overcharge	ANSI C18.2M Part 2- 1999		temperature of the outer casing reaches a steady state, or until the temperature begins to decline. No explosion or fire shall be	
(If applicable)	Cls. 7.2.5	1 Sample	observed.	
			Batteries are inserted into the battery compartment with reverse polarity. Turn on the appliance for 1 hour. There shall	
Reverse Battery Test (If applicable)	Standard Method	1 Sample	not any emission of fire, or chemical leakage or explosion of batteries.	
		1 Gampie	- The metal strip used to connect the positive and negative	
			MUST be shielded from the batteries by insulation material. - The internal construction of the sample shall be prevented a	
Short-circuited Prevention			straight steel pin 0.5 mm in diameter, at least 25 mm long, from short-circuiting the positive and negative of the battery.	
(For Battery Compartment)			- Place the test pin at any position of the internal compartment,	
(if applicable)	(EN 62115 mod.)	1 Sample	short-circuit shall not happen by bridging with the pin. -Testing should be performed in a dark environment where the	
			ambient conditions are determined to be less than 1 lux. -Test was conducted 1 piece of sample with fresh batteries or	
			fully charged batteries/energy storage devices. 12V DC	
			devices that are only tethered shall be powered with 13.8V DC using a power supply.	
			-Place the light measuring device at a test distance of either 2 or 10 or 30 meters from the front of the surface of the lens of	
			the device to be tested and record the highest indicated value. Measurements shall be taken 30 s to 2 min of turning on the	
			device.	
			-Use the Inverse Square Law to calculate the beam distance to 0.25 lux as follows:	
			√(peak beam intensity /0.25) = Max Beam Distance	
	ANSI/NEMA FL 1-2009		Where: Surface light intensity is in lux (lx)	
Room Distance & Deals Dears laters"	Cls. 2.2&2.3 (Mod	1.00	Distance and Max Beam Distance are in meters (m)	
Beam Distance & Peak Beam Intensity	sample size)	1 Sample	Peak Beam intensity is in candela (cd) -Testing should be performed in a dark environment where the	
			ambient conditions are determined to be less than 1 lux - Test was conducted 1 piece of sample with fresh batteries or	
			fully charged batteries/energy storage devices.	
			-Periodic light measurements and corresponding time values are recorded, and the end point is reached when the output	
			value reaches 10% of the initial value for each sample. -A run time less than one hour is reported in minutes; more	
			than 1 hour but less than 10 hours is reported in hours and minutes, rounded to the nearest 15 min. For 10 hours or more,	
			report the run time only in hours. Standard rounding rules	
	ANSI/NEMA FL 1-2009		apply. (NOTE—If the device has an auto shut off mechanism, the	
Run Time	Cls. 2.4 (Mod sample	1 Sample	operator must restart the light within 15 s for the test to be valid.)	
	size)	i Sample	valiu.)	

			- Lab conditions shall be a controlled temperature of 22 ± 3 °C	
			and a relative humidity of 50% nominal, 80% maximum.	
			- Test was conducted 1 piece of sample with fresh batteries or	
			fully charged batteries/energy storage devices. 12V DC	
			devices that are only tethered shall be powered with 13.8V DC using a power supply.	
			- Devices are to be securely mounted against an external port	
			adapter or placed inside the sphere. Measurements shall be	
	ANSI/NEMA FL 1-2009		taken at 30 s to 2 min of continuous operation after turning on	
	Cls. 2.5 (Mod sample		the device.	
Light Output	size)	1 Sample	- Round to whole numbers following standard rounding rules.	
		-	- An impact surface consisting of a minimum 4 cm nominal	
			thickness of cured concrete. Impact area must be a minimum	
			of 1 m x 1 m.	
			- Test was conducted 1 piece of sample, be dropped with all	
			intended additions: batteries, elastic, tethers, hand straps, etc.	
			Sample shall be in the "off" position with batteries in place.	
			- Drop height for product sample shall be 1 m minimum. Higher drop heights can be used for testing and product claims.	
			- Each sample is dropped 6 times using impact orientations	
			that approximate a cube. The test sample is held in the desired	
	ANSI/NEMA FL 1-2009		orientation with its lowest part at the correct height.	
	Cls.2.6(Mod sample		- Dropped sample must not exhibit any cracks or breaks visible	
Impact Resistance	size)	1 Sample	with normal vision and remain fully functional	
			- Test was conducted 1 piece of sample shall be in the "off"	
			position with batteries in place.	
			-The sample is exposed to water when using oscillating tube or	
			spray nozzle	
	ANSI/NEMA FL 1-2009		-The unit shall function normally immediately after the test and	
Water Resistance Test	Cls.2.7.3.1&Cls.2.7.5.1	1.0	30 min after the test. Water ingress is allowed as long as the	
(if applicable)	(Mod sample size)	1 Sample	above conditions are met.	
			- Test was conducted 1 piece of sample shall be in the "off" position with batteries in place.	
			- The test is made by completely immersing the enclosure in	
			water in its service position so that the following conditions are	
			satisfied:	
			a) A 1 m deep reservoir sufficient to cover the entire device	
			with water or a water vessel that is pressurized equivalent to 1	
			m depth	
			b) the duration of the test is 30 min;	
			c) the water temperature does not differ from that of the	
			equipment by more than 5 K.	
			-The unit shall function normally immediately after the test and	
	ANSI/NEMA FL 1-2009		30 min after the test. There should be no ingress of water in	
Water-proof Test	Cls.2.7.3.2&Cls.2.7.5.2		any functional area that contains unprotected electrical	
(if applicable)	(Mod sample size)	1 Sample	components (contacts, batteries, PCB, wires) or light sources.	
			- Test was conducted 1 piece of sample shall be in the "off"	
			position with batteries in place. -The sample is immersed in water at manufacturer specified	
			depth for 4 hours	
			-The unit shall function normally immediately after the test and	
	ANSI/NEMA FL 1-2009		30 min after the test. There should be no ingress of water in	
Submersible Test	Cls.2.7.3.3&Cls.2.7.5.2		any functional area that contains unprotected electrical	
(if applicable)	(Mod sample size)	1 Sample	components (contacts, batteries, PCB, wires) or light sources.	
	· · · · ·		Packaged product shall be tested to applicable ISTA procedure	
			and method, based on package configuration. Inspect package	
	ISTA Procedure as	1 full carton	and product for damage upon completion of test. Report	
*Transit Testing (by request only)	Appropriate to Package	with products	results.	
ANALYTICAL				
*†CA Prop 65			Consent Judgment of related court cases based on California	
(mandatory in state California)	Intertek Protocol	All Samples	Proposition 65.	
			Cadmium and lead containing batteries shall bear 3 chasing	
			arrows or comparable recycling symbol and	
			Ni-CD or nickel-cadmium and "battery must be recycled or	
			disposed of properly"	
	Title I, Rechargeable			
†Mercury-Containing and Rechargeable Battery	Battery Recycling Act,	All 0 - 1	PB or "lead", "return" and "recycle" and "battery must be	
Management Act	Visual (if applicable)	All Samples	recycled" if sealed.	
1			Batteries larger than button cell shall contain no intentionally	
			added Mercury. No intentionally added Hg is demonstrated in	
			this protocol if testing shows loss than 1 ppm (best prosting)	
			this protocol if testing shows less than 1 ppm (best practice).	
			Batteries of button cell size are allowed small amounts of	
	U.S. Pub 1 104-142		Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell.	
	U.S. Pub. L. 104-142. 13 May 1996. Stat.		Batteries of button cell size are allowed small amounts of	
			Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese	
*†Mercury-Containing and Rechargeable Battery	13 May 1996. Stat.		Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide	
Management Act	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best		Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid	
	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA	All Samples	Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year).	
Management Act	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best	All Samples	Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of	
Management Act	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best	All Samples	Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of hazardous substances provided in the EU directive	
Management Act	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best	All Samples	Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of hazardous substances provided in the EU directive 2002/95/EC.	
Management Act	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best Practice) Title II	All Samples	Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of hazardous substances provided in the EU directive 2002/95/EC. Lead (Pb), Cromium VI(Cr (VI)), Mercury (Hg), Polybrominated	
Management Act	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best Practice) Title II CA AB1109 / acid	All Samples	Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of hazardous substances provided in the EU directive 2002/95/EC. Lead (Pb), Cromium VI(Cr (VI)), Mercury (Hg), Polybrominated biphenyls (PBBs) and Polycrominated diphenyl ester (PBDEs)	
Management Act (If Applicable)	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best Practice) Title II CA AB1109 / acid digestion, organic	All Samples	Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of hazardous substances provided in the EU directive 2002/95/EC. Lead (Pb), Cromium VI(Cr (VI)), Mercury (Hg), Polybrominated	
Management Act (If Applicable) *†Hazardous substances in lights-document	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best Practice) Title II CA AB1109 / acid digestion, organic extraction / ICP, GCMS		Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of hazardous substances provided in the EU directive 2002/95/EC. Lead (Pb), Cromium VI(Cr (VI)), Mercury (Hg), Polybrominated biphenyls (PBBs) and Polycrominated diphenyl ester (PBDEs) shall not exceed 1000mg/kg.	
Management Act (If Applicable)	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best Practice) Title II CA AB1109 / acid digestion, organic	All Samples	Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of hazardous substances provided in the EU directive 2002/95/EC. Lead (Pb), Cromium VI(Cr (VII)), Mercury (Hg), Polybrominated biphenyls (PBBs) and Polycrominated diphenyl ester (PBDEs) shall not exceed 1000mg/kg.	
Management Act (If Applicable) *†Hazardous substances in lights-document review (California RoHS)	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best Practice) Title II CAAB1109 / acid digestion, organic extraction / ICP, GCMS analysis		Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of hazardous substances provided in the EU directive 2002/95/EC. Lead (Pb), Cromium VI(Cr (VI)), Mercury (Hg), Polybrominated biphenyls (PBBs) and Polycrominated diphenyl ester (PBDEs) shall not exceed 1000mg/kg. Cadmium (Cd) shall not exceed 100mg/kg.	
Management Act (If Applicable) *†Hazardous substances in lights-document	13 May 1996. Stat. 110.1333. Mercury Analysis (EPA Guidance, Best Practice) Title II CA AB1109 / acid digestion, organic extraction / ICP, GCMS		Batteries of button cell size are allowed small amounts of added mercury, but shall test to less than 25 mg Hg /cell. Testing is required on all included alkaline-manganese batteries, zinc-carbon (Heavy Duty) batteries, and silver-oxide and zinc-air button cells. The provided test report shall be validated (Document is valid for 1 year). General purpose lights shall meet the following levels of hazardous substances provided in the EU directive 2002/95/EC. Lead (Pb), Cromium VI(Cr (VII)), Mercury (Hg), Polybrominated biphenyls (PBBs) and Polycrominated diphenyl ester (PBDEs) shall not exceed 1000mg/kg.	

Protocol Version	Description of Change	Approved by / Date	
340A	Initial Release	Teana Robinette April 20, 2017	
340B	Added supplemental line for Reese's Law and converted to google doc	Elizabeth Armstrong Oct 2023	