Protocol 302-K

Clocks

Test Property	Test Method	Samples	Test Principle/Requirements	Rating (Section or Executive Summary which failed items can be referenced)
LABELING				
Labeling/Packaging Review	FPLA 16 CFR 500 & 19 CFR 134	All Samples	Should be legibly marked with the following information: Distributor's name, trademark, or other means of identification of the manufacturer or packer & address (City, State & Zip) Product Identification Net quantity of the contents in terms of weight, measure of numerical count (Metric & US Standard) or a combination so as to give accurate information and facilitate value comparison by the consumer Country of Origin (if imported)	
Verify Label Claims	Visual Check	All Samples	The labeling must comply and valid with all claims.	
FCC part 15 rules (if applicable)	Document Check	All Samples	FCC part 15 report shall be provided for verification if the operating frequency > 9kHz for AC, or operating frequency > 1.705MHz for Battery operated product.	
FCC Part 15 marking and instruction (if applicable)	Visual Check	All Samples	Marking shall include, "This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not 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. Consult the dealer or an experienced radio/TV technician for help."	

Import Permits (for natural materials only) (if applicable)	US Department of Agriculture Animal & Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)	All Samples	Product shall not have prohibited materials present per US Department of Agriculture, Animal, and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ) Documentation and/or proper permit(s) for specific product shall be supplied along with Testing Request form and samples. Permit information may be found at: https://www.aphis.usda.gov/wps/portal/aphis/home/ It is the vendor's responsibility for the compliance to relevant requirements.	
Adult Tracking Label **If space limitations exist, contact Kohl's Quality Assurance & Product Integrity teams to discuss minimum required information (quality.assurance@kohls.com)	Kohl's Requirement	All Samples	MUST BE MARKED AS A PASS/FAIL Can be included on packaging when necessary: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #	
Package or Instructions	ANSI C18.1M-1992 Sect. 7.5 (modified)	All Samples	For products with more than one battery, must include: "Do not mix old and new batteries. Do not mix alkaline, standard (carbon - zinc), or rechargeable (nickel cadmium) batteries"	
Battery Compartment Markings	Visual Check	All Samples	Shall be permanently marked to show the correct battery polarity, size and voltage	
Products that use standard batteries; sizes AAA, AA, C, D or 9V:	Actual Use	All	The battery compartment door/cover must be secured with screw. Door/cover shall be opened and closed, and the battery removed and replaced, for a total of 5 cycles. The process shall simulate replacement according to the manufacturer's instructions. The screw(s) is to be loosened and then tightened by means of a suitable screwdriver. Battery door(s) and screws shall be still functional when tested as follows: Attach battery door with each screw tightened to 2 in-lbf and held for 10 seconds. Detach and perform test a total of 5 open / close cycles. Screw must stay secured in door when removed. There shall be no loss of functionality of the battery compartment door/cover. Record reasons for failure and take digital image of damage.	

EPA TSCA Title VI – Composite Wood - Sample Declaration Form and Mill Certificate (if applicable)	40 CFR 770	All Samples	If wood of any type is present in the sample, submitter shall provide a completed and signed Sample Declaration Form. Sections A, B, and E of the Sample Declaration Form must always be completed. • If regulated composite wood is not present in the sample, result is N/A. • If regulated composite wood is present in the sample: - Submitter shall provide a copy of the certificate issued by the Third Party Certifier (TPC) for the mill(s) from which the raw panels were purchased - All information on the certificate shall be consistent with the Sample Declaration Form - Section D of the Sample Declaration Form must also be completed Notes: •Include a copy of the Sample Declaration Form in the report • Regulated composite wood includes: - Hardwood plywood (HWPW) - Medium-density fiberboard (MDF) - Thin medium-density fiberboard (Thin MDF) - Particleboard (PB) • Mill certificate must indicate compliance with TSCA Title VI. It is no longer acceptable to have the certificate indicate compliance with CARB's ATCM for formaldehyde in lieu of compliance with TSCA Title VI.	
EPA TSCA Title VI – Composite Wood - Raw Panel Labeling (if applicable)	40 CFR 770.45(a)	All Samples	• Panels or bundles of panels must be labeled with the following: - The panel producer's name - The lot number - The number of the EPA TSCA Title VI Third Party Certifier (TPC) - A statement of compliance to denote that the panels comply with TSCA Title VI Notes: • A panel producer number may be used instead of a name to protect identity • Raw panels are regulated composite wood products that have not been used to create a finished good • The compliance statement must denote compliance with the TSCA Title VI. It is no longer acceptable to have the panel labeled as compliant with CARB's ATCM for formaldehyde in lieu of TSCA Title VI compliance statement.	
Formaldehyde Emission of Composite Wood Product - State of California (if applicable)	Airborne Toxic Control Measure (ATCM), California Code of Regulations, Title 17, § 93120	All Samples	Composite wood products include finished goods composed of or containing hardwood plywood (HWPW) made with either a combination core (CC) or a veneer core (VC), particleboard (PB), and medium-density fiberboard (MDF)), or finished goods composed of such products made with no-added formaldehyde based (NAF-based) resins or ultra-low emitting formaldehyde (ULEF) resins, shall not release formaldehyde exceeding the regulatory limits. In lieu of testing, valid certificate or test report or certificate can be submitted if dated within one year.	

Labeling of Composite Wood Product - Formaldehyde Emission - State of California (if applicable)	Airborne Toxic Control Measure (ATCM), California Code of Regulations, Title 17, § 93120	All Samples	Composite wood products include finished goods composed of or containing hardwood plywood (HWPW) made with either a combination core (CC) or a veneer core (VC), particleboard (PB), and medium-density fiberboard (MDF)), or finished goods composed of such products made with no-added formaldehyde based (NAF-based) resins or ultra-low emitting formaldehyde (ULEF) resins, shall be labeled in accordance with the regulations and meet all applicable requirements. In lieu of testing, valid certificate or test report or certificate can be submitted if dated within one year.	
*Reese's Law Supplemental Protocol	Refer to Protocol 1700	All Samples	All samples shall be reviewed against the requirements of Reese's Supplement Protocol to determine if additional testing or labeling is required	
PHYSICAL CHARACTERISTICS				
Functional Assessment	Actual Use	1 Sample	The sample shall function as claimed on the packaging / labeling / instruction	
CONSTRUCTION QUALITIES				
Kohl's Workmanship Review	Visual Check / Actual Use	All Samples	All components shall be provided as claimed and shall not be 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 fastening where rigidity is required Product shall not tip over during casual handling	
PERFORMANCE				
Hardware Strength	Std. Measure	1 Sample	Tier 1 and Tier 2 : Min. 2.5 x actual weight of product	
Accuracy	Std. Measure	1 Sample	Quartz movement: ± 1 second/day Mechanical movement: ± 10 seconds/day	
Cross Cut Adhesion	ASTM D3359 Method B	1 Sample	A lattice pattern with six cuts in each direction is made in the film to the substrate, pressure- sensitive tape is applied over the lattice and then removed. Requirement: Tier 1: 3B; Tier 2: 4B	
Effects of Humidity	Kohl's TM 31	1 Sample	No failure @ 95% RH @ 100° F (38° C) for below defined hours. Tier 1: 24 hours Tier 2: 48 hours	
Reverse Voltage Test	Visual Check	1 Sample	For replaceable batteries, reversing battery orientation shall not damage unit. Report discrepancies	
Wall Mounting Device or Hardware Strength	Std. Measure	1 Sample	Tier 1: Min. 2.5 x actual weight of product Tier 2: Min. 3 x actual weight of product	
* Effects Of Extreme Temperature/Humidity (Environmental)	Kohl's TM 30	1 Sample	24 hours @ 0° F (-18°C) and 24 hours @ 95% RH/120° F (49°C). No failure or adverse effect.	

Durability - Switch/ Knob	Actual Use	1 Sample	Shall withstand without damages after 100 cycles actuation.	
*Durability - Alarm (if applicable)	Actual Use	1 Sample	Shall withstand 1000 activations without failure.	
*Alarm Loudness (If applicable)	Actual Use	1 Sample	Placed 1 feet distance from the buzzer to measure the maximum sound level. The level shall be at least 70dB (A).	
Drop Impact Test (for non-fragile item)	Actual Use	1 Sample	Sample shall not produce any breakage, cracking or other abnormalities after 3 drops from a height of 36” onto a vinyl-tiled concrete floor.	
Stability Test (for freestanding item)	Actual Use	1 Sample	Shall not tip over an 8 degree incline plane in all directions. Shall not wobble when placed on a flat supporting surface.	
Surface scratching test (for freestanding item)	Actual Use	1 Sample	No scratching of surfaces after 3 cycles of 6 inches back and forth on glass and wood test panel respectively.	
*Resistance to Corrosion	ASTM B117 modified	1 Sample	Applicable to samples / sample components constructed of metal or samples with metallic coatings that can be exposed to the environment. Shall withstand 24 hours in 1% salt spray (fog) with no noticeable oxidation / corrosion changes. Modification = 1% salt spray (fog)	
ANALYTICAL				
*Lead in Scrapable Surface Coating	CPSC-CH-E1003-09	1 Sample	≤90 ppm (0.0090% by weight) (CPSA – 16 CFR 1303)	
*CA Prop 65	Refer to protocol 1300	All Samples	All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	
Refer to protocol Hardlines Regulatory Supplement for additional State & Federal Regulations	Refer to Protocol 1800	All Samples	All samples shall be reviewed against the requirements of the Hardlines Regulatory Supplemental Protocol (State Regulation Only) to determine if additional testing or labeling is required	
PRICING AND ADDITIONAL NOTE:				
In addition to this protocol, any products designed for, intended for or appealing primarily to children, requires additional testing per Kohl's Testing Protocol # 601.				

Protocol Version	Description of Change	Revised by/Date	Approved by/Date
302 – 0	Initial Release	CY Chan Feb 10, 2004	Roger Mayerson Mar 08, 2004
302 – 1	Add Marking of Clock Case/Clock Movements according to Chapter 91 Add. U.S. Note 4 HTSUS test requirement, deleted CA Appliance Code Section 22410 and revise Workmanship Review	Simon Leung Dec 20, 2004	Roger Mayerson Dec 20, 2004
302 – 2	Removed FCC Labeling. Added Battery Compartment Markings Requirement; Updated Prop 65 Warning Label & Accuracy Test Requirement. Price Adjustment.	Simon Leung Oct. 31, 2008	Ro Jain Oct. 31, 2008
302-A	Changed protocol number from 302-2 to 302-A, price adjustment	Elizabeth Armstrong April 1, 2010	Ro Jain April 1, 2010
302-B	Separate the test line of Prop 65 to supplementary protocol	Winnie Yu Mar 18, 2013	Ro Jain April 15, 2013
302-C	Added Cross Cut Adhesion and Effect of Humidity tests Differentiate the performance rating (Effect of humidity and Hardware Strength tests) to Tier 1/Tier 2/Tier 3 Adjusted the package price	Jeetendra Shelatkar Oct 4, 2013	Ro Jain December 16, 2013
302-D	Updated lead content pricing	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug 4, 2014
302-E	Renamed all in-house methods	Candy Chan Sep. 4 , 2014	Elaine Smaczniak October 30, 2014
302-F	Revised Item “*Lead In Scrapable Surface Coating” from “600ppm” to “90ppm”	Jerry Chen Mar 21, 2016	Jeetendra Shelatkar March 23, 2016
302-G	Add TSCA requirement, FCC requirement, Reverse Voltage Test, Wall Mounting Device or Hardware Strength, *Effects Of Extreme Temperature/Humidity, (Environmental), Durability - Switch/ Knob, Durability – Alarm, Alarm Loudness (If applicable), Drop Impact Test, Removed Tier 3 requirements	Charlene Swanson December 2021	Charlene Swanson December 2021
302-H	Updated format	Violet Nelson Sept. 20, 2022	Violet Nelson Sept. 20, 2022
302-I	Added Reese's Law Supplemental Protocol test line under Label Verification	Kevin Makocy October 2023	Kevin Makocy October 2023
302-J	Added 1800 Hardlines Regulatory Supplement for additional State & Federal Regulations	February 2025	February 2025
302-K	Added requirement for battery compartment to be secured.	Kate Anderson December 2025	Kate Anderson December 2025