

REPORT

Technical Report: (8515)021-0163

Page 1 of 31 FEB 02, 2015





ALDI TEST REPORT

JIAWEI TECHNOLOGY (HK) LTD #1505, 15TH FLOOR, STAR HOUSE, NO 3, SALISBURY, TSIM SHA TSUI, HK, 990777 **LAB LOCATION:** SHENZHEN LAB NUMBER: (8515)021-0163

ATTN: RONNIE

CC:

DATE IN: JAN 22, 2015

MOD. LOG IN:

DATE OUT: FEB 02, 2015

REVISED DATE: /
WORKING DAYS: 9
PAGE: 2 OF 31

PASS
FAIL
DATA

TESTING FOR
SOLAR / RECHARGEABLE BATTERY POWERED
OUTDOOR LIGHTING (V10)
ALDI-04470-US
US STATES REQUIREMENT SUPPLEMENTAL (V9)
ALDI-06503-US
FCC PART 15 IC (V17)
CPSD - 04999.9 - NA

	<u> </u>	
PRE-PRODUCTION	PRODUCTION	X

Sample Description:	STAINLESS STEEL MINI CRACKLE SOLAR LIGHTS							
Supplier:	JIAWEI TECHNOLOGY (HK) LTD	JIAWEI TECHNOLOGY (HK) LTD						
ALDI Buyer Name:	DEEB DWEIK ALDI Item#:							
Country of Origin:	CHINA SKU/ Style #:	CS903-PMB/SS-T20						
Contents/Count/Size:	6PCS							
Color:	/ Previous Report No.:	/						
Product Display Date:	4/8/2015 Re-test:	Yes: No: X						
Charge Vendor:	Yes: X No:							



EXECUTIVE SUMMARY:

1. The submitted sample(s) included the digital device (integrated circuit mounted on the PCB), to have gone through verification per FCC 47 CFR Part 15. The sample(s) received an "UNSATISFACTORY" rating because it DID NOT have FCC instructions. (FAIL)

Actual product	Required FCC instructions:
DID NOT provide	Caution: changes or modifications not expressly approved by the party responsible
	for compliance could void the user's authority to operate the equipment.
DID NOT provide	The following statement or equivalent:
	"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."

2. The submitted sample(s) demonstrated **UNSATISFACTORY** labeling, as the test results of rated capacity did not meet claimed capacity (150mAh) after rated capacity and service life test. (**FAIL**)

REMARK(S):

1. See enclosed protocol(s) for the test results.



If there are questions regarding above report, please contact the appropriate lab personnel.

Technical questions, please contact: Johnny-YH Dai / David Di

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BUREAU VERITAS SHENZHEN CO., LTD

JASON WONG

MANAGER -HARDLINES DIVISION



BV Lab Number:	(8515)021-0163
Technician Name:	BILL
Test Date:	JAN 27, 2015
Reviewed By/Date:	FACY/JAN 27, 2015
	Page 5 of 31

ALDI TEST PROTOCOL FOR ALDI-04470-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
SCOPE: This protocol is used to test s DOES NOT INCLUDE:	solar or rechargeable battery	powered outde	oor lighting.		
SUPPLEMENTAL PROTOCOLS					
* ** Federal Communications Commission (FCC) Part 15 / Industry Canada Document Management	<u>CPSD-EL-PTCL-04999.9-</u> <u>NA</u> / CPSD-EL-01096- MTHD	All	Electronic products shall have complied with FCC / Industry Canada regulations appropriate for the country of destination as shown by evaluation to the cited protocol. Products under FCC Verification or Declaration of Conformity must be submitted with complete and correct test reports. Designs claimed to be exempt from FCC / IC equipment authorization due to an un-obvious feature (like electronic frequency), must be submitted with acceptable supporting technical documents.	SEE CPSD-4999.9-NA	/
* Solar Cell Performance Module (If Requested)	CPSD-EL-PTCL-10001- NA		Shall pass Solar Cell Performance Module. Complete Test Package provided upon request.	NA (NOT REQUESTED)	/
* US States Requirement Supplemental	ALDI-GB-PTCL-06503- US		All samples should be reviewed to the appropriate requirements of protocol ALDI-GB-PTCL-06503-US-STATES REQUIREMENT SUPPLEMENTAL.	SEE ALDI-6503-US	/
* California Proposition 65	ALDI- AN-PTCL-06572- US		All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required. Refer to note of ALDI-AN-6572 for details	NA	/
Note: Additional cost, sample size & TA Please refer to the above referenced sup LABELING - US					
One Time Use Products **Fair Packaging and Labeling Act	F.P. & L. Act (16 CFR 500)	1	Manufacturer, Packer, or Distributor's Name & Address (City, State & ZIP Code)	M	PASS
OR All Other Products **Uniform Packaging and Labeling	OR NIST Uniform Laws and		Product Identification	M	PASS



BV Lab Number:	(8515)021-0163
D V Lab Number.	(0313)021-0103

Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 6 of 31

ALDI-04470-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
Regulations	Regulations Handbook 130 (modified)		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.S. and metric units). Modification: All supplementary net quantity shall be provided in both Inch-Pound and Metric units.	М	PASS
**Country of Origin Marking	19 CFR 134	1	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. Must be visible at point of purchase.	M	PASS
Use labeling	CPSD-HL-01057-MTHD / Visual	1	Use/care instructions that are clear and understandable shall be provided in language appropriate to destination countries.	M	PASS
Rechargeable Battery Outside Jacket Marking	CPSD-HL-01057-MTHD / ANSI C18.2M, PART 1- 2007, Section 1.4.8.1	All	Shall be marked on the battery or package: 1. Designation 2. Polarity of terminal 3. Name or trade mark of the manufacturer or supplier 4. Battery electrochemical system 5. Nominal voltage 6. Rated Capacity in mAh 7. Year, month, week or day of manufacture which may be coded or the expiration date 8. Warnings or cautionary notes where applicable 9. Caution for ingestion (small batteries only) 10. Recycle mark (where regulations apply) 11. Country of origin	М	PASS



Technician Name: BILL

JAN 27, 2015

Test Date:

FACY/JAN 27, 2015

Reviewed By/Date:

Page 7 of 31

ALDI-04470-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
** Mercury-Containing and Rechargeable Battery Management Act Pub. L. 104-142. 13 May 1996. Stat. 110.1333.	Title I, Rechargeable Battery Recycling Act, Visual (if applicable)	All	Cadmium and lead containing batteries shall bear 3 chasing arrows or comparable recycling symbol and A) Ni-CD or nickel-cadmium and "battery must be recycled or disposed of properly" B) PB or "lead", "return" and "recycle" and "battery must be recycled" if sealed. Shall have mark such as these images:	M	PASS
			图		



BV Lab Number:

Reviewed By/Date:

Technician Name:

BILL

Test Date:

JAN 27, 2015 FACY/JAN 27, 2015

(8515)021-0163

Page 8 of 31

ALDI-04470-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
Claim verification - level 2	CPSD-GB-08612-MTHD	All	Examine the retail packaging (or submitted artwork). Record each objective (factual) claim which can be substantiated by the testing within the protocols and rate accordingly. Record testing that extend beyond existing net quantity / dimensional testing on this protocol. Record all other objective (factual) and subjective (opinion) claims as "NT" and rate as "DATA". Record information evaluated between the graphic imagery and the product. Record disclaimers on datasheet.	NA (NO CLAIM)	/
*Total lead content in surface coatings	CPSC-CH-E1003-09.1 / CPSD-AN-00001-MTHD	1	All accessible surface coatings in the as received state on items outside of the scope of 16 CFR 1303 shall not contain lead or lead components in which the lead content is in excess of 0.009% (90ppm) of the weight of the total content. Report actual results or include data table within report. Component testing is allowed. Based on CPSC SOP, will composite up to 3 colors. If any color in the composite exceeds 80% of the limit (72 ppm), based on the lowest weight component, individual colors will be analyzed. Client Requirement	M SEE TABLE 1	PASS
PHYSICAL CHARACTERISTICS					
Dimensions	CPSD-HL-01056-MTHD / Standard measure	1	Report overall dimensions; shall meet label claims (if applicable).	C: / R: 3-1/4inDIAx14-1/2inH (EACH)	/



Technician Name: BILL

Test Date: JAN 27, 2015
Reviewed By/Date: FACY/JAN 27, 2015

Page 9 of 31

ALDI-04470-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
Weight	CPSD-HL-01056-MTHD / Standard measure	1	Report overall weight; shall meet label claims (if applicable).	C: / R: A,B: 0.60lbs	/
Capacity - volumetric	CPSD-HL-06000-MTHD / Capacity	1	Report overall capacity; shall meet label claims (if applicable).	C: / R: NA	/
Parts inventory	CPSD-HL-01057-MTHD / Visual	1	Shall meet label claims.	C: / R: NA	/
Batteries	CPSD-HL-01057-MTHD / Visual	1	Shall meet label claims.	C: 1 X AA 1.2V 150mAh R: AS CLAIM	PASS
Battery Chemistry	CPSD-HL-01057-MTHD / Visual	1	Shall meet label claims.	C: NI-CD R: M	PASS
CONSTRUCTION & WORKMA	NSHIP				
Sharp Points/Edges	16 CFR 1500.48/1500.49 (Mod.)	All	Shall have no sharp points/edges, other than those required for function. Mod.=expanded scope to other products	М	PASS
Defects	CPSD-HL-01057-MTHD / Visual	All	Shall have no discernible surface degradation, including crazing, shivering, denting, bubbles, cracks, stains, deformations, chips, fractures, heavy lines, waves, shear marks, scratches, scuff marks, indentations, or blisters.	М	PASS
Workmanship	CPSD-HL-01057-MTHD / Visual	All	Shall have no components missing, malformed, and/or fractured.	M	PASS
Battery Anode Positioning	CPSD-HL-01057-MTHD / Visual	All	Anodes shall be properly centered.	M	PASS
Battery Seals	CPSD-HL-01057-MTHD / Visual	All	Shall be adequately sealed with no sign of leakage after testing.	M	PASS
PERFORMANCE				•	•
Actual use - functionality - not covered by other tests	CPSD-HL-01058-MTHD / Actual use	All	Shall function as intended as received. Report details of evaluation (features tested / methods used / materials used / etc.) Report any features not evaluated	М	PASS



BV Lab Number:

Technician Name:

BILL

Test Date:

JAN 27, 2015 FACY/JAN 27, 2015

(8515)021-0163

Reviewed By/Date:

Page 10 of 31

ALDI-04470-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
Resistance to corrosion	ASTM B117-11 modified / CPSD-HL-01010-MTHD	1	[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 / visual changes.	M	PASS
			Modification = 1% salt spray (fog).		
Reverse Voltage Test	CPSD-HL-01057-MTHD / CPSD-HL-01058-MTHD	1	Reversing battery orientation shall not damage unit. Report discrepancies.	M	PASS
Effects of Extreme Temperature Change	CPSD-HL-01012-MTHD		No change / failure after 4 hrs. each of –40 °F, 0 °F, 122 °F and 176 °F.	M	PASS
Humidity Exposure	CPSD-HL-01007-MTHD		No change / failure after 24 hrs. at 90% RH & 90 °F	M	PASS
Photo Sensor	CPSD-HL-01058-MTHD / Actual use	1	Photo sensor must function properly.	M	PASS
Tilt Resistance / Stability	CPSD-HL-01011-MTHD	1	Shall withstand 10° tilt without overturning.	NA	/
Light Output	CPSD-HL-01057-MTHD / Visual	1	Shall be sufficient to comply with claimed function. Notes to Lab: Light Output test is used to addresses the magnitude of lamp brightness not the lamp lighting duration, only if no light output level is claimed. If output level is claimed then this test will not be performed and the claim will be verified in the Claims Verification Test line. Rated "DATA ONLY".	1.2LM	DATA



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 11 of 31

ALDI-04470-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
10 Hour Charge Test	CPSD-HL-01058-MTHD / Actual use	1	Pretest: Batteries shall be fully discharged. Test: • Expose solar panels and light sensor to 10 hrs of light. • Cover solar panels and light sensor • Measure and record time for the light to turn on. Notes to Lab: Rated "DATA ONLY".	The light to turn on time: >8 hours (Remark: We did battery charge as following: Expose solar panel to light source consisting of F32T8 cool white bi-pin base fluorescent lamps to attain30, 000 Lux (3,000 foot-candles) of illumination at solar pane	DATA
Rated Voltage	CPSD-HL-01057-MTHD / Visual	All	Report rated voltage per claim or battery chemistry. Shall agree with number of cells, interconnection, and chemistry.	M 1.2V	PASS
Measured Open Circuit Voltage (As received)	DC Voltmeter	2	Report open circuit voltage of battery as received.	1.27V	/
Claimed Capacity	CPSD-HL-01058-MTHD (Milliampere-hours)	All	Report claimed battery capacity.	150mAh	/
Cut Off Voltage	ANSI C18.2M PART 1-2007 Section 1.4	-	Parameter. Report cut off voltage for determination of Service Life. (EODV)	EDOV is 1.0V	/
Internal Impedance	ANSI C18.2M, PART 1-2007 Section 1.4.6.11 (ohms)	1	Report. Measure resistance of fully charged cell at 1kHz.	32.6mΩ	/
Discharge Cycle	ANSI C18.2M PART 1-2007 Section 1.4.6.7	2	Parameter. Discharge at 0.2 c-rate (defined as 0.2 times the amp hour capacity in amps constant current) to EODV before capacity testing. Report discharge cycle.	Five discharge cycle is done	/
Terminal Voltage (Under load)	Battery Tester (Volts and % rated voltage)	2	Report terminal voltage under load and percent rated voltage.	1.27V/105.8%	/



BV Lab Number:	(8515)021-0163
Technician Name:	BILL
Test Date:	JAN 27, 2015
Reviewed By/Date:	FACY/JAN 27, 2015

Page 12 of 31

ALDI-04470-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
Standard Charge Method, Initial voltage.	ANSI C18.2M PART 1-2007 Section 1.4.4.3.1	2	Charge for 16 hours at 0.1C-rate. Let rest 1 hr. Report charge current and open circuit voltage after charging.	Charge current: 0.1C (15mA) Sample 1 after charging for 16 hours, the voltage is 1.431V, after resting for 1 hour, the voltage is 1.376V. Sample 2 after charging for 16 hours, the voltage is 1.439V, after resting for 1 hour, the voltage is 1.382V.	/
Rated Capacity and Service Life.	ANSI C18.2M PART 1-2007 Section 1.4.6.1	2	Discharge at 0.2 C-rate until terminal voltage = cutoff voltage (EODV) of 1.0 V/cell. Calculate and report capacity. Shall meet or exceed claimed capacity (mA-h) (see Claimed Capacity above). Calculate and report service life (hr. or min.). Report current draw.	NM (Discharge at 0.2C(30mA), cut off voltage is 1.0V, discharge current constant is 30mA, rated capacity is 150mAh. Sample 1 after discharging for 390minutes, the voltage is until 1.0V(EODV), calculate capacity is 195mAh. Sample 2 after cycle 1 discharging for 257minutes, the voltage is until 1.0V(EODV), calculate capacity is 129mAh.). cycle 2 discharging for 253minutes, the voltage is until 1.0V(EODV), calculate capacity is 127mAh.). cycle 3 after discharging for 248minutes, the voltage is until 1.0V(EODV), calculate capacity is 124mAh.). cycle 4 after discharging for 246minutes, the voltage is until 1.0V(EODV), calculate capacity is 123mAh.). cycle 5 after discharging for 245minutes, the voltage is until 1.0V(EODV), calculate capacity is 123mAh.). cycle 5 after discharging for 245minutes, the voltage is until 1.0V(EODV), calculate capacity is 123mAh.)	FAIL



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 13 of 31

ALDI-04470-US

SOLAR / RECHARGEABLE BATTERY POWERED OUTDOOR LIGHTING (V10)

Evaluation	Citation/Method	No.	Criteria	Results	Rating
		Samples			
* Simulated Battery Life Test (If Requested)	H-4003 / BUF-WIN- 00017	1	Perform a simulated life test by measuring the battery current draw while operating normally. Report current draw. Calculate and report projected battery life, with recommended battery type. Shall meet manufacturer's projected battery life claims, if any. If battery is included, measure battery capacity per ANSI C18.1M, and calculate expected life for battery of the measured capacity. Report.	NA NOT REQUESTED	/

TABLE 1

Color / Component	Location	Style	(mg/kg)
TRANSPARENT COATING	BODY	ALL	<10
CHOCOLATE COATING	BODY	ALL	





Results Key:

M	Meets	NM	Does Not Meet
NA	Not Applicable	NT	Not Tested
C	Claimed	R	Recorded

No. Of Samples Required For Complete Testing:	3
No. Of (Fully Packed) Cartons For Transit Testing:	1
No. Of Working Days For Complete Testing:	7

BV Lab Number:	(8515)021-0163
Technician Name:	BILL
Test Date:	JAN 27, 2015
Reviewed By/Date:	FACY/JAN 27, 2015
	Page 14 of 31

November 27, 2009 Creation Date: Editorial Revision Date: DECEMBER 12, 2014

Pricing Review Date: Technical Review Date:



BV Lab Number:	(8515)021-0163
Technician Name:	BILL
Test Date:	JAN 27, 2015
Reviewed By/Date:	FACY/JAN 27, 2015
	Page 15 of 31

ALDI TEST PROTOCOL FOR ALDI-06503-US

Evaluation	Citation/Method	No.	Criteria	Results	Rating
		Samples			
SCOPE:					
This supplemental protocol covers					
Kansas, Texas, Minnesota, Missour	ri, Illinois, Indiana, Wisconsin, Ohi	o, Tennessee, N	orth Carolina, Georgia, Florida, Maryland, Pennsylvania, New York, G	Connecticut and Michigan	
SUPPLEMENTAL					
* Law label	CPSD-GB-PTCL-01990- US	-	Shall be included if it contains filling material. See protocol CPSD-GB-PTCL-01990-US	NA	/
* California Proposition 65	ALDI- AN-PTCL-06572- US		All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	NA	/
			Refer to note of ALDI-AN-6572 for details		
LABELING -					•
*Illinois lead warning label	Illinois Lead Poisoning Prevention Act	-	[Packaging and Labeling Evaluation] Product may contain the following Illinois lead warning label per client's requirement. Refer to the analytical section for details. "WARNING: CONTAINS LEAD. MAY BE HARMFUL IF EATEN OR CHEWED. COMPLIES WITH FEDERAL STANDARDS."	NA	/



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 16 of 31

ALDI-06503-US

Evaluation	Citation/Method	No.	Criteria	Results	Rating
		Samples			8
*Plastic bag warning statement	California, New York, Massachusetts, and Rhode Island State and City Laws/ CPSD-GB-01073- MTHD	-	Plastic bags with a thickness of less than 1 mil, 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 similar to below on both sides of each bag in English: Client Requirement: WARNING: To avoid danger of suffocation, keep this bag away from babies and children. Do not use in cribs, beds, carriages or playpens. This bag is not a toy. Discard bag and any other packaging materials immediately after removing product. Do not re-use this bag. The warnings shall be printed clearly as to prevent the ink from smearing. 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 of the bag is more than 40 inches, the warning shall be repeated at 20 inches intervals. Except laundry bag, the font size of the warning must adhere to the chart listed below: Total Length and Width of Bag Size of Print 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 10 points For laundry bag, the font size of the warning should be at least 36 points.	NA	



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015
Page 17 of 31

ALDI-06503-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
*PA stuffed toy law tolerance - document review	ASTM F963-11 section 4.3.7	-	Loose fillers shall be visually evaluated for objectionable matter and labels shall be evaluated accordingly. Shall meet the requirements of the "Tolerances of the Commonwealth of Pennsylvania Regulation for Stuffed Toys". In lieu of testing, test report can be submitted if dated within one year.	NA	/
*Faux fur labeling	Visual/ New York State General Business Law Section 399-aaa	-	For goods sold in New York via stores, catalog and internet containing faux fur: Faux fur must be listed on a permanent label, or a temporary tag or a sticker. Note: To determine the actual content, please refer to AATCC 20 / 20A to verify real fur vs. fur. If lab analysis does not match claimed, then the label will fail.	NA	/
* Drawstrings on children's clothing	New York State Law 391.b and Amendment Wisconsin State Law ATCP 139 / Visual or Actual Measurement	-	(Sizes 0-16) Hood and Neck Area Hood and neck drawstrings are not allowed at all on any children's clothing (outerwear and non-outwear). Waist and Bottom Area On Upper Garments (tops, jackets, dresses) May not exceed 3 inches (75mm) in length on each side outside the drawstring channel when garment is expanded to its fullest width. Drawstrings must be bartacked at center back so string cannot be pulled out. No toggles, knots or attachment at the free ends. Must be finished at both ends.	NA	
ANALYTICAL					
*Heavy metals content in packaging materials - documentation review	Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse	-	The sum of concentration levels of lead, cadmium, mercury and hexavalent chromium in packaging or packaging components shall not exceed 100 mg/kg (100 ppm) by weight. In lieu of testing, test report can be submitted if dated within One year.	NA	/



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015
Page 18 of 31

ALDI-06503-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
* Heavy metals content in packaging materials	Model Toxics in Packaging Legislation of the Toxics in Packaging Clearinghouse (TPCH)/ CPSD-AN-00065-MTHD	-	The sum of concentration levels of lead, cadmium, mercury and hexavalent chromium in packaging or packaging components shall not exceed 100 mg/kg (100 ppm) by weight. Note: - Total chromium (Cr) is determined first. Confirmation of hexavalent chromium (Cr VI) will be performed when concentration of total chromium is above the detection limit and sum of concentration of four heavy metals is exceeded the limit.	M SEE TABLE 1	PASS



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 19 of 31

ALDI-06503-US US STATES REQUIREMENT SUPPLEMENTAL (V9)

Evaluation	Citation/Method	No.	Criteria	Results	Rating
		Samples			
* Bisphenol A content	Various state laws (e.g. CT Public Act # 09-103 and MN Chapter 40 SF #247) / 21 CFR 177.1580 / CPSD-AN- 00169-MTHD		The following products shall not contain any detectable levels of Bisphenol-A (BPA) (BV reporting limit is 0.1 mg/kg): - Infant formula/ baby food plastic container, jar or can - All reusable food or beverage containers including lids (if any) - Baby bottle liners - Pacifiers - Straws "Infant formula" means a commercially available milk based or soy based powder, concentrated liquid or ready-to-feed substitute for human breast milk that is intended for infant consumption. "Baby food" means a commercially available prepared solid food consisting of a soft paste or an easily chewed food that is intended for consumption by children two years of age or younger. "Reusable food or beverage container" means a receptacle for storing food or beverages, including, but not limited to, baby bottles, spill-proof cups, sports bottles and thermoses, and excluding containers intended for disposal after initial use. Report actual results or include data table within report. Note: - Actual testing will be conducted on all accessible polycarbonate and epoxy resin materials only, including both coatings and substrates - Vendors shall provide documentation or a bill of material for material identification. If they cannot provide surface coating material information, all coatings (except lacquer and paint) will be tested. - Vendors shall be responsible for the compliance of all other materials. - Testing will not be conducted on food contact polycarbonate resins in infant feeding bottles (baby bottles) and spill-proof cups including their closures and lids, designed to help train babies and toddlers to drink from cups (sippy cups), because food contact polycarbonate resin are banned in these products by 21 CFR 177.1580. - Composite all colors of surface coating to perform one test.	NA	



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 20 of 31

ALDI-06503-US US STATES REQUIREMENT SUPPLEMENTAL (V9)

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
*Total lead content in surface coatings	Illinois Lead Poisoning Prevention Act / CPSC- CH-E1003-09.1/ CPSD- AN-00001-MTHD		The following surface coatings shall contain less than 0.004% (40 ppm) lead or lead compounds in which the lead content is the weight of the total content or be labeled with the appropriate warning (refer to labeling section for details): a. All accessible surface coatings, in the as received state, on jewelry for children under 12 years of age, b. All accessible surface coatings, before and after use and abuse testing, on child care articles for children 6 years of age or younger, and on toys for children under 12 years of age. The warning label is not allowed for any sample with a result above the federal limit of 0.009% (90ppm). In case of insufficient coating for testing found on the number of samples specified in the protocol, vendor needs to provide additional samples/component parts (including raw materials) for testing. The vendor is responsible for compliance of all other products outside of the above scope. Report actual results or include data table within report. Component testing is allowed. Compositing is not allowed.	NA	/



Technician Name: BILL

Test Date:

JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 21 of 31

ALDI-06503-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
*Total lead content in substrate materials	Illinois Lead Poisoning Prevention Act / CPSC- CH-E1001-08.3 / CPSC- CH-E1002-08.3/ CPSD- AN-00185-MTHD / CPSD-AN-00196-MTHD		The following substrate materials shall contain less than 0.004% (40 ppm) lead or lead compounds in which the lead content is the weight of the total content or be labeled with the appropriate warning (refer to labeling section for details): a. All accessible substrate materials, in the as received state, on jewelry for children under 12 years of age, b. All accessible substrate materials, before and after use and abuse testing, on child care articles for children 6 years of age or younger. The warning label is not allowed for any sample with a result above the federal limit of 0.010% (100ppm). In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide additional samples/components/parts for testing. Materials exempted from testing under CPSIA (e.g., textiles) under 16 CFR 1500.88 and 1500.91(d) and (e) will not be tested. The vendor is responsible for compliance of all other products outside of the above scope. Report actual results or include data table within report. Component testing is allowed. Compositing is not allowed.	NA	
* Total mercury content in button cell batteries	Various US State Laws / CPSD-AN-00078-MTHD	-	Button cell battery shall not contain any detectable levels of mercury (BV reporting limit is 4 mg/kg).	NA	/



BV Lab Number:	(8515)021-016
D V Lab Nullibel.	(0515)021-010

Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015
Page 22 of 31

ALDI-06503-US

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
*Flame retardant content in upholstered furniture and child care products	Various state laws (e.g. NY, MD, etc) / CPSD- AN-00051-MTHD / CPSD-AN-00176-MTHD	2g per component	All polyurethane foam and textile upholstery on polyurethane foam in residential upholstered furniture and child care products shall not contain any detectable level of Tris(2-chloroethyl) phosphate (TCEP), Tris(2-chloro-1-methylethyl) phosphate(TCPP) and Tris(1,3-dichloro-2-propyl) phosphate (TDCPP). (BV reporting limits are 5 mg/kg) Report actual results or include data table within report. Note: - Child care products include but are not limited to toys, car seats, nursing pillows, crib mattresses, high chairs and strollers for children under 3 years of age. - Vendors shall provide documentation or a bill of materials for material identification of polyurethane foam. If they cannot provide this information, all foam materials will be tested. - Vendors shall be responsible for the compliance of all other materials.	NA	



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 23 of 31

TABLE 1

Parameter	Unit	Result		Maximum Allowable Limit
		1	2	
Total Lead (Pb)	mg/kg	<5	<5	-
Total Cadmium (Cd)	mg/kg	<5	<5	-
Chromium VI (Cr VI) (see remark)	mg/kg	<5	<5	-
Total Mercury (Hg)	mg/kg	<5	<5	-
Sum	mg/kg	<20	<20	100
Conclusion	-	PASS	PASS	-

Tested Item 1:	All coating (>4color) (paper sticker)
Tested Item 2:	White paper sticker (paper sticker)

Kev

* Additional Charge For This Test

** Mandatory Requirement

Results Key:

M	Meets	NM	Does Not Meet
NA	Not Applicable	NT	Not Tested
C	Claimed	R	Recorded

No. Of Samples Required For Complete Testing:	3
No. Of (Fully Packed) Cartons For Transit Testing:	1
No. Of Working Days For Complete Testing:	7

Creation Date: JULY 31, 2012 Editorial Revision Date: DECEMBER 18, 2014

Pricing Review Date: Technical Review Date:



BV Lab Number:	(8515)021-0163
Technician Name:	BILL
Test Date:	JAN 27, 2015
Reviewed By/Date:	FACY/JAN 27, 2015

Page 24 of 31

BUREAU VERITAS TEST PROTOCOL FOR

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
traditional electrical a the compliance report	nd electronic products. Th	is protocol it 15 type req	ators (intentional or unintentional) intended for us and/or canada. Applies to children's products, battery operated products, sola is a check to ensure proper equipment authorization and electromagnetic tests were performed, and correct labeling applied. But uirements are considered. This protocol does not grant fcc or ic approval. Unusual products should be evaluated by a bureau value of the control of the	ıreau veritas wi	ll retain
FCC ** verification markings	47 CFR Part 15.19(a)	All	[applies to general unintentional radiators, and TV, AM or FM broadcast receivers for USA] Radio receivers (TV/AM/FM) must be permanently marked with: "This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference." All other Digital devices (over 9 kHz) must be permanently marked in a conspicuous location with: "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." In the case that the device is so small or for such use that it is not practicable to place the above statement on it, the information required shall be placed in a prominent location in the instruction manual or pamphlet supplied to the user.	М	PASS
FCC ** declaration of conformity markings	47 CFR Part 15.19(b)	All	[applies to unintentional radiators that may connect to PC's, receivers TV & Cable devices for USA] Digital devices (over 9 kHz) subject to FCC authorization under Declaration of Conformity (such as TV or computer connecting devices) must be permanently marked in a conspicuous location with the FCC logo, Tradename, and Model Number.	NA	/



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 25 of 31

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
FCC ** certification markings	47 CFR Part 15.19(a), 15.121(f)	All	[applies to intentional transmitters and scanning radio receivers for USA] Intentional radio transmitting devices, and scanning radio receivers (Subject to FCC Certification) must be permanently marked in a conspicuous location with the FCC Identifier Number. It shall also be permanently marked in a conspicuous location with "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." Or verified to matching Marking at https://gullfoss2.fcc.gov/prod/oet/cf/eas/reports/GenericSearch.cfmhttps://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm Search by FCC ID. In addition to above, for a scanning receiver, the warning statement of 15.121(f) must be on the product.	NA	/
Industry Canada marking - ** product intended for Canadian market	Industry Canada, Spectrum Management and Telecommunications, RSS-Gen	All	Electronic products intended for Canada shall be permanently marked with manufacturers name or trademark, model number, and either: -IC XXXX - YYYYYY certification number [for Category I radiators, and receivers], or -Other required marking [Category II] per the submitted IC approval report. For instance: o Digital Apparatus under ICES-003 Issue 4 shall be marked "This Class (A or B) digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe (A or B) est conforme à la norme NMB-003 du Canada. " Note. ICES-003, Issue 5, has been released in August 2012. A transition period ending August, 31, 2013 is provided, within which compliance with ICES-003, Issue 5, or ICES-003, Issue 4, will be accepted. After August, 31, 2013, only compliance with ICES-003, Issue 5, will be accepted. Compliance label will be marked: CAN ICES-3 (*)/NMB-3(*) * Insert either "A" or "B" but not both to identify the applicable Class of ITE. o ISM equipment under ICES-001 shall be marked "This ISM device complies with Canadian ICES-001. Cet appareil ISM est conforme à la norme NMB-001 du Canada." o RF Lighting per ICES-005 shall be marked "This Class [*] RFLD complies with Canadian ICES-005. Cet appareil numérique de la classe [*] est conforme à la norme NMB-005 du Canada. " or equivalent, unless in instructions due to size.	NA	/



Technician Name: BILL

JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Test Date:

Page 26 of 31

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
FCC verification or ** declaration of conformity instructions	47 CFR Part 15.21, 15.105	All	[applies to unintentional radiators for USA] The users manual or instruction manual shall caution the user that changes or modifications 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. Note: For a Class A digital device, statements of 15.105(a) must be included when appropriate for the device in question.	NM	FAIL
Further FCC ** declaration of conformity instructions	[applies to unintentional radiators that may connect to PC's, receivers TV & Cable devices for USA] Instructions shall: - Identify the product (i.e. name and model number) - Statement that the product complies with Part 15 (i.e. "This device complies with Part 15 of the FCC Rules. Operation is		NA	/	



Technician Name: BILL

Test Date:

JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 27 of 31

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
FCC ** certification instructions	47 CFR Part 15.21, 15.105(b)	All	[applies to intentional radiators for USA] The users manual or instruction manual shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If the intentional radiator can be classified as a Class B digital device or a PC peripheral, then shall include the following or equivalent: 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. Note: For a Class A digital device, statements of 15.105(a) must be included when appropriate for the device in question. Or verified to matching Instruction at https://gullfoss2.fcc.gov/prod/oet/cf/eas/reports/GenericSearch.cfm Search by FCC ID.	NA	/
Industry Canada instructions - ** product intended for Canadian market	Industry Canada, Spectrum Management and Telecommunications, RSS-Gen Spectrum All Telecommunications, RSS-Gen All Telecommunications, RSS-Gen Spectrum All Telecommunications, RSS-Gen All Telecommunications, RSS-Gen Telecommunications, RSS-Gen All Telecommunications, RSS-Ge		NA	/	
** TV interface kits - USA only	47 CFR Part 15.25	All	[Other Products] Devices marketed as kits for TV interface devices shall have labeling as required per this part.	NA	/



DV I ah Numban	(9515)021 016
BV Lab Number:	(8515)021-016

Technician Name: BILL

JAN 27, 2015

Test Date:

FACY/JAN 27, 2015

Reviewed By/Date:

Page 28 of 31

Eva	luation	Citation / Method	No. of Samples	Criteria	Results	Rating
**	Required special accessories - USA only	47 CFR Part 15.27	All	[Other Products] If special equipment or cables are required for a consumer product to comply with FCC and are not provided with the equipment, the instructions shall describe the equipment as per this part.	NA	/
*	Digital TV receiver capability - USA only	47 CFR Part 15.117(i)	1	[Other Products] VCR's, DVD players, Televisions, and other TV receivers shall be provided with a digital TV tuner, as determined by test or technical documentation.	NA	/
**	Radio frequency industrial, scientific and medical equipment (ISM) - USA only	47 CFR Part 18 / CPSD-EL-01096- MTHD	1	[Other Products] [Electronic Lighting Ballasts, Ultrasonic devices, Microwaves, RF Welders] Electronic lighting ballasts and similar ISM devices intended for consumers shall comply with D.o.C. or Certification with the following labeling differences: -Shall be permanently marked with FCC logoShall have labeling (marking, packaging, or instructions) indicating product ID, model, name and address of responsible party in the USA, and stating "This device complies with Part 18 of the FCC Rules" or equivalent.	NA	/



BV Lab Number:

Technician Name: BILL

Test Date:

JAN 27, 2015

Reviewed By/Date:

FACY/JAN 27, 2015

Page 29 of 31

(8515)021-0163

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
FCC Signal ** Booster Labeling	47 CFR Part 20.21(f)	All	[Applies to consumer signal boosters for USA] (1) In on-line, point-of-sale marketing materials, (2) In any print or on-line owner's manual and installation instructions, (3) On the outside packaging of the device, and (4) On a label affixed to the device: The following information is required: This is a CONSUMER device. BEFORE USE, you MUST REGISTER THIS DEVICE with your wireless provider and have your provider's consent. Most wireless providers consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider. You MUST operate this device with approved antennas and cables as specified by the manufacturer. Antennas MUST be installed at least 20 cm (8 inches) from any person. You MUST cease operating this device immediately if requested by the FCC or a licensed wireless service provider. WARNING. E911 location information may not be provided or may be inaccurate for calls served by using this device.	NA	/
PERFORMANCE	<u>I</u>	I	, , , , , , , , , , , , , , , , , , , ,		
FCC ** verification test report check	47 CFR Part 15 / CPSD-EL-01096- MTHD	All	[Report Documentation] [applies to general unintentional radiators, and TV, AM or FM receivers for USA] Unintentional radiators requiring FCC Verification shall be provided with a passing FCC test report from a 47 CFR 2.948 listed measurement facility. Retain the report on file with this project. Notes to lab: Report testing lab, report number and issue date of the test report.	M INTERTEK 131220024 GZU-001 2014-8-26	PASS



Technician Name: BILL

Test Date: JAN 27, 2015

Reviewed By/Date: FACY/JAN 27, 2015

Page 30 of 31

CPSD - 04999.9 - NA FCC PART 15 IC (V17)

Eva	aluation	Citation / Method	No. of Samples	Criteria	Results	Rating
**	FCC declaration of conformity test report check	47 CFR Part 15 / CPSD-EL-01096- MTHD	All	[Report Documentation] [applies to unintentional radiators that may connect to PC's, receivers TV & Cable devices for USA] Devices requiring FCC D.o.C. shall be provided with both a passing FCC test report from an independent FCC accredited lab, and Declaration of Conformity that device is compliant with FCC Part 15. Retain the report on file with this project. Notes to lab: Report testing lab, report number and issue date of the test report.	NA	/
**	FCC certification on line report document check	47 CFR Part 15 / CPSD-EL-01096- MTHD	All	[Report Documentation] [applies to intentional radiators for USA] Intentional radiators requiring FCC Certification shall be permanently marked with FCC ID number. The FCC ID number shall be verified to matching report and images at https://gullfoss2.fcc.gov/prod/oet/cf/eas/reports/GenericSearch.cfm. Report the FCC ID number.	NA	/
**	Industry Canada document - product intended for Canadian market	Canada Radiocommunication Act sections 4(2) and 4(3) and Radiocommunication Regulations 21(1), as described in Industry Canada, Spectrum Management and Telecommunications	All	[Report Documentation] Radio Frequency or digital devices intended for Canada shall be provided with either: - Certification & report [Category I] from Industry Canada or a certification body listed at: http://strategis.ic.gc.ca/epic/internet/inceb-bhst.nsf/en/h_tt00039e.html . The IC number and product model number on the sample shall match those in the report and certification. Report the IC identifier number. OR - [for Category II equipment], with complete passing lab test report to IC requirements. Report lab name and report number. Note: reports may be a combined FCC / IC report. Specific Markings and Instructions as directed in accredited reports shall match the sample as appropriate. Notes to lab: Report testing lab, report number and issue date of the test report.	NA	/

In the event the product does not have a FCC report, Bureau Veritas offers two options at Additional Charge For This Test (*). (1) A technical opinion letter is available from Bureau Veritas Engineering Services in Buffalo New York for US\$ 500 per product. (2) A Full FCC / IC test report can be obtained from Bureau Veritas E&E EMC Laboratories in Hong Kong, Shanghai, Boston, Taipei, Munich and Paris for a special price when added to this protocol test report TRF. For products classified as Products seeking exempt status from FCC / IC requirements from. VERIFICATION the cost is US\$ 500 for battery operated and plug in. For products classified as Declaration of Conformity the price is US\$600. For products classified as CERTIFICATION, a quote must be obtained from Bureau Veritas E&E EMC Laboratories. This special pricing is made available as an extension of this protocol under the terms and conditions of the protocol TRF.

While the above does not apply to importation of cameras, musical greeting cards, quartz watches and clocks, or handheld calculators and electronic games that utilize low level battery power and do not provide for operation while connected to ac power lines, it does apply to marketing and sale of these and other electronic devices.



<u>Key:</u>

Additional Charge For This Test

Mandatory Requirement By Request Only

Result Key:

Claimed C R Recorded M Meets

NM Does Not Meet Not Applicable NA Not Tested NT

Rating Key:

PASS Pass Fail **FAIL**

Not Requested NR

No. Of Samples Required for Complete Testing	1]
No. Of (Fully Packed) Cartons For Transit Testing:	-	
No. Of Working Days For Complete Testing:	7	

(8515)021-0163 BV Lab Number: BILL Technician Name: JAN 27, 2015 Test Date: Reviewed By/Date: FACY/JAN 27, 2015 Page 31 of 31

Client Approval: Creation Date: / T. Heckmann **DECEMBER 03, 2008** APRIL 22, 2014 Last Revision Date: Pricing Review Date: JULY 28, 2005 Technical Review Date: FEBRUARY 20, 2007