

REPORT

Lab Number: (5105) 213-0075

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Technical Report: (5105)213-0075
Date Received: August 01, 2005

August 04, 2005
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MIKE WOLLACK
BATTERY HOUSE
365 24TH STREET
LASALLE, IL 61301
UNITED STATES

Sample Description:	KROGER "AAA" ALKALINE BATTERIES	CAMELION PLUS "AAA" ALKALINE BATTERIES
Vendor:	NOT LISTED	NOT LISTED
Manufacturer:	KROGER	CAMELION
Country of Origin:	USA	CHINA
Sample Size:	2 PACKS; 4 CELLS & 8 CELLS	3 PACKS; 4 CELLS EACH
Style No.:	5 B 22J1	LR03-BP4
P.O. No.:	NOT LISTED	NOT LISTED
Emulsion No.:	NOT LISTED	NOT LISTED
Expiration Date:	MARCH 2009	BEST BEFORE 03-2010
UPC Code	011110793348	0873999000043

EXECUTIVE SUMMARY:

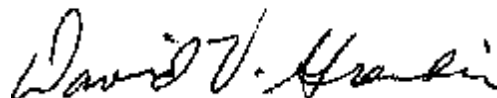
At the request of the client, submitted samples were evaluated to the tested sections of **ANSI C18.1M, Part1-2001** per Bureau Veritas Consumer Products Services, Inc. test specification **MC-4735-US**.

The sample **DOES NOT MEET** the following requirements for **MC-4735-US**.

Battery / Package Marking (Per ANSI C18.1M, PART 1-2005, Section 1.4.8 Portable Primary Cells and Batteries) – Caution for ingestion (small batteries only). **Both samples do not have caution or warning statements for ingestion of small parts (batteries).**

Please see body of report for further details.

Bureau Veritas
Consumer Products Services, Inc.



David V. Grandin
Associate Product Test Engineer
Hardlines Department

/maz



**BUREAU
VERITAS**

BV Lab Number: (5105) 213-0075
 Technician Name: Manny Kulu
 Test Date: 08/02/05
 Reviewed By/Date: DG 08/02/05

**BUREAU VERITAS TEST PROTOCOL FOR
MC-4735-US**

Battery - Primary

Evaluation	Citation/Method	No. Samples	Criteria	Results		Rating K/C
				Kroger	Camelion	
LABELING						
**Fair Packaging and Labeling Act	F.P. & L. Act 16 CFR 500	1	Manufacturer, Packer, or Distributor's Name & Address (City, State & Zip)	The Kroger Co. Cincinnati, OH 45202	Camelion Holdings Inc. USA	M / M
			Product Identification	AAA Alkaline Batteries	AAA Alkaline Batteries	M / M
			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).	1Pack; 4 Cells 1 Pack; 8 Cells	3 Packs; 4 Cells each	M / M
**Country of Origin Marking	19 CFR 134.11	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.	USA	China	M / M
Use Labeling	H-1057	1	Use / care instructions that are clear and understandable shall be provided in language appropriate to destination countries.	English	English	M / M
Cautionary Statements	H-1057	All	Provides cautionary labeling as appropriate.	Appropriate	Appropriate	M / M
Date Code	H-1057	All	<ul style="list-style-type: none"> Report date code on packaging if any. Report date code on individual batteries if any <p>There shall not be any difference greater than 12 months and the individual batteries shall not be older than claimed by the packaging than 1 month.</p>	Used by March 2009	Best before 03-2010	M / M



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 Technician Name: MK

**MC-4735-US
 Battery - Primary**

Evaluation	Citation/Method	No. Samples	Criteria	Results		Rating K/C
				Kroger	Camelion	
Battery / Package Marking	TM-HL-0002, Per ANSI C18.1M, PART 1-2005, Section 1.4.8 Portable Primary Cells and Batteries	All	Shall display: a) Battery system – except carbon zinc b) Designation c) Polarity of terminal (when applicable) d) Nominal voltage e) Date code – year, month or week f) Name or trademark of manufacturer or supplier g) Warnings or cautionary notes (where applicable) h) Caution for ingestion (small batteries only) Note: When small size battery is claimed on individual specification sheet, items b) and c) shall be marked on the battery. Items a), d), e), f), g), and h) may be given on the immediate packaging instead of on the battery. For zinc – air batteries, b) and c) may be marked on the sealing tab of the battery or on the battery; d), e), and f) may be given on the immediate packaging, instead of on the battery.	Alkaline “AAA” + - 1.5 Volts March 2009 Kroger Provided No ingestion warning provided	Alkaline “AAA” + - 1.5 Volts Before 03-2010 Camelion Provided No ingestion warning provided	NM / NM
PACKAGING						
Retail Shelf Packaging	H-1057, UPC Test	All	Shall have final retail shelf packaging with scannable UPC stamp / label. Scanned numbers shall match as per supplied UPC label.	011110793348	0873999000043	M / M
ANALYTICAL						
* Mercury-Containing and Rechargeable Battery Management Act Pub. L. 104-142. 13 May 1996. Stat. 110.1333. (If requested)	Mercury Content Chemical Analysis (EPA Guidance, Best Practice EPA method 7471) Title II – Mercury-Containing Battery Management Act.	1	Batteries larger than button cells shall have no intentionally added mercury. Determined by measurement of mercury less than 1 ppm. Batteries of button cell size shall have no more than 25 mg or mercury per cell.	Not Requested	Not Requested	NT / NT
PHYSICAL CHARACTERISTICS						
Case Height Dimensions	ANSI C18.1M, PART 1-2005 Sect 2.2	3	Report dimensions. Dimensions shall comply with those specified in the standard for the specified battery type.	43.4 mm	43.2 mm	M / M
Case Diameter or Width and Depth Dimensions	ANSI C18.1M, PART 1-2005 Sect 2.2	3	Report dimensions. Dimensions shall comply with those specified in the standard for the specified battery type.	10.2 mm	10.2 mm	M / M



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**MC-4735-US
 Battery - Primary**

Evaluation	Citation/Method	No. Samples	Criteria	Results		Rating K/C
				Kroger	Camelion	
Total Height Dimension	ANSI C18.1M, PART 1-2005 Sect 2.2	3	Report dimensions. Dimensions shall comply with those specified in the standard for the specified battery type.	44.3 mm	44.3 mm	M / M
Case Material	H-1057	All	Report type of case material.	Metal	Metal	- / -
Chemistry	H-1057	All	Report claimed battery chemistry.	Alkaline	Alkaline	M / M
Total Weight (Gms.)	H-1056	3	Report overall weight; shall meet label claims (If applicable) (+ / - 5%)	No claim Recorded: 11.3 g	No claim Recorded: 11.7 g	- / -
CONSTRUCTION & WORKMANSHIP						
Sharp Points / Edges	16 CFR 1500.48 / 1500.49 (mod.)	All	Shall have no sharp points / edges, other than those required for function.	None	None	M / M
Defects	H-1057	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.	No defects	No defects	M / M
Terminal Positioning	ANSI C18.1M, PART 1-2005, Section 2.2	All	Terminals shall be properly centered.	Centered	Centered	M / M
Seals	ANSI C18.1M, PART 1-2005, Section 1.4.4.2	All	Shall be adequately sealed with no sign of leakage. As received or during discharge.	No leaks	No leaks	M / M
PERFORMANCE						
Functionality	H-1058	All	Shall function as intended as received	Functions as intended	Functions as intended	M / M
Rated Voltage (Volts)	H-1057	All	Report rated voltage per claim or battery chemistry. Shall agree with number of cells, chemistry, and interconnection.	1.5 Volts	1.5 Volts	M / M
Test Load	ANSI C18.1M, PART 1-2005, Section 1.4.6.1	3	Parameter. Report discharge load and cycle to which the battery is subjected.	10 ohms	10 ohms	- / -
End Point Voltage (Volts)	ANSI C18.1M, PART 1-2005, Section 2.2	3	Parameter. Report end point voltage (EPV) used for determination of service life.	0.9 Volts	0.9 Volts	- / -
Initial Voltage	ANSI C18.1M, PART 1-2005, Section 2.2	3	Report battery initial open circuit voltage and percent of rated value. Shall not exceed 115% rated voltage.	1.61 Volts 107%	1.62 Volts 108%	M / M
Terminal Voltage (Under Load) (Volts and % of nominal value)	Battery Tester	3	Report initial voltage under load and percent of rated value.	1.51 Volts 101%	1.53 Volts 102%	- / -



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**MC-4735-US
 Battery - Primary**

Evaluation	Citation/Method	No. Samples	Criteria	Results		Rating K/C
				Kroger	Camelion	
Internal Resistance (Ohms)	Calculated from voltages and current draw	3	Report.	0.6	0.6	- / -
Service Life	ANSI C18.1M, PART 1-2005, Section 2.2	3	Report measured service life. Report ANSI minimum average duration value or equivalent expected value. Shall meet average duration or equivalent expected value.	482 Minutes	516 Minutes	M / M
Energy Capacity (mA-h)	Battery energy calculated from discharge profile	3	Report. Shall compare favorably to claims, if any.	No claim Recorded: 949 mA-h	No claim Recorded: 997 mA-h	- / -

Key:

* 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:	4
No. Of (Fully Packed) Cartons For Transit Testing:	1
No. Of Working Days For Complete Testing:	7

Creation Date: May 11, 2004
 Editorial Revision Date: July 21, 2005
 Pricing Review Date:
 Technical Review Date:

"AAA" ALKALINE BATTERIES CONTINUOUS DISCHARGE PROFILE AT 10 OHM LOAD.

