



545 East Algonquin Road, Suite F
 Arlington heights, Illinois 60005
 Telephone: 312-906-7769
 Facsimile: 847-439-7320
www.intertek.com

02/19/2014

Letter Report No. 101071631CHI-001E
 Project No. G101071631
 Ph: 630-499-3422
 Fax: 630-851-9309

Mark Dippner
 BRK Brands, Inc.
 3901 Liberty Street
 Aurora, IL 60504-8122

email: MDippner@jardensafety.com

Subject: Battery 3 Vdc, Models FDK-CR17335E-N, EVE-CR17335, ENERGIZER-EL123AP and DURACELL-DL123A for ten years life.

Reference: Quote Number 500433699

Dear Mr. Mark Dippner:

This letter represents that testing was started on February 19, 2013 for the above reference equipment to the requirements contained in the following standards:

Standard for Safety Single and Multiple Station Smoke Alarms (ANSI/UL 217 - 6th Edition, dated 08/25/06 with revisions through and including 08/04/2015)

This investigation was authorized by **Quote 500433699 dated 02/01/2013. The battery samples were received and placed in the four environmental chambers** and tested at the Intertek (Chicago) Arlington Heights, Illinois facility on February 19, 2013 samples:

02132013014053-001 through 005

Battery Models FDK-CR17335E-N
 EVE-CR17335
 ENERGIZER-EL123AP
 DURACELL-DL123A

TEST PLAN

<u>TEST</u>	UL 217 Paragraph	Status	Date
Battery testing for one year	63	In Progress	
Novelty	63.5	Completed	2/19/13
Quarter 1 (Provisional request after 3 months, BRK must submit Letter with Provisional request)	63	Completed	5/17/13
Quarter 2nd	63	Completed	8/15/13
Quarter 3rd	63	Completed	11/15/13
Quarter 4th	63	Completed	2/14/14
Quarter 5th	63	In Progress	

The 4th quarter of data will be email to Mark Dippner. Below is the data for each month from November 22, 2013 to February 14, 2014.

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only the sample tested. This report by itself does not imply that the material, product or service is or has ever been under an Intertek certification program.





23C, 30-50%RH					
11/22/2013					
Standby			Alarm		
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.076	0.0000123	2.838	0.09460
2	CR17335E-N	3.075	0.0000123	2.928	0.09760
3	CR17335E-N	3.075	0.0000123	2.708	0.09027
4	CR17335E-N	3.075	0.0000123	2.898	0.09660
5	CR17335E-N	3.075	0.0000123	2.825	0.09417
6	CR17335E-N	3.075	0.0000123	2.958	0.09860

30C, 85%RH					
11/22/2013					
Standby			Alarm		
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.093	0.0000124	2.69	0.08967
2	CR17335E-N	3.093	0.0000124	2.755	0.09183
3	CR17335E-N	3.093	0.0000124	2.855	0.09517
4	CR17335E-N	3.093	0.0000124	2.757	0.09190
5	CR17335E-N	3.092	0.0000124	3.014	0.10047
6	CR17335E-N	3.093	0.0000124	2.715	0.09050

0C					
11/22/2013					
Standby			Alarm		
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.005	0.0000120	2.585	0.08617
2	CR17335E-N	3.005	0.0000120	2.63	0.08767
3	CR17335E-N	3.005	0.0000120	2.772	0.09240
4	CR17335E-N	3.005	0.0000120	2.872	0.09573
5	CR17335E-N	3.005	0.0000120	2.872	0.09573
6	CR17335E-N	3.005	0.0000120	2.501	0.08337

45C					
11/22/2013					
Standby			Alarm		
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.136	0.0000125	2.994	0.09980
2	CR17335E-N	3.136	0.0000125	3.067	0.10223
3	CR17335E-N	3.136	0.0000125	3.062	0.10207
4	CR17335E-N	3.136	0.0000125	3.028	0.10093
5	CR17335E-N	3.136	0.0000125	2.882	0.09607
6	CR17335E-N	3.136	0.0000125	3.057	0.10190



23C, 30-50%RH		11/22/2013			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.058	0.0000122	2.858	0.09527
2	CR17335	3.054	0.0000122	2.761	0.09203
3	CR17335	3.054	0.0000122	2.921	0.09737
4	CR17335	3.057	0.0000122	2.68	0.08933
5	CR17335	3.059	0.0000122	2.609	0.08697
6	CR17335	3.057	0.0000122	2.766	0.09220
30C, 85%RH		11/22/2013			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.084	0.0000123	2.661	0.08870
2	CR17335	3.078	0.0000123	2.966	0.09887
3	CR17335	3.078	0.0000123	2.985	0.09950
4	CR17335	3.078	0.0000123	2.934	0.09780
5	CR17335	3.079	0.0000123	3.002	0.10007
6	CR17335	3.067	0.0000123	2.972	0.09907
0C		11/22/2013			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	2.974	0.0000119	2.747	0.09157
2	CR17335	2.976	0.0000119	2.793	0.09310
3	CR17335	2.976	0.0000119	2.772	0.09240
4	CR17335	2.986	0.0000119	2.761	0.09203
5	CR17335	3.004	0.0000120	2.65	0.08833
6	CR17335	2.976	0.0000119	2.702	0.09007
45C		11/22/2013			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.124	0.0000125	3.003	0.10010
2	CR17335	3.142	0.0000126	3.014	0.10047
3	CR17335	3.128	0.0000125	2.971	0.09903
4	CR17335	3.134	0.0000125	3.056	0.10187
5	CR17335	3.125	0.0000125	3.045	0.10150
6	CR17335	3.138	0.0000126	3.047	0.10157



23C, 30-50%RH		11/22/2013			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.063	0.0000123	2.985	0.09950
2	EL123AP	3.065	0.0000123	2.994	0.09980
3	EL123AP	3.064	0.0000123	2.994	0.09980
4	EL123AP	3.065	0.0000123	2.981	0.09937
5	EL123AP	3.064	0.0000123	2.981	0.09937
6	EL123AP	3.064	0.0000123	2.985	0.09950
30C, 85%RH		11/22/2013			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.083	0.0000123	3.018	0.10060
2	EL123AP	3.083	0.0000123	3.017	0.10057
3	EL123AP	3.083	0.0000123	3.019	0.10063
4	EL123AP	3.082	0.0000123	3.017	0.10057
5	EL123AP	3.083	0.0000123	3.016	0.10053
6	EL123AP	3.082	0.0000123	3.011	0.10037
0C		11/22/2013			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	2.990	0.0000120	2.758	0.09193
2	EL123AP	2.990	0.0000120	2.851	0.09503
3	EL123AP	2.990	0.0000120	2.862	0.09540
4	EL123AP	2.991	0.0000120	2.858	0.09527
5	EL123AP	2.990	0.0000120	2.857	0.09523
6	EL123AP	2.992	0.0000120	2.861	0.09537
45C		11/22/2013			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.128	0.0000125	3.063	0.10210
2	EL123AP	3.125	0.0000125	3.055	0.10183
3	EL123AP	3.128	0.0000125	3.062	0.10207
4	EL123AP	3.128	0.0000125	3.056	0.10187
5	EL123AP	3.128	0.0000125	3.057	0.10190
6	EL123AP	3.128	0.0000125	3.058	0.10193



23C, 30-50%RH 11/22/2013					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.075	0.0000123	2.991	0.09970
2	DL123A	3.077	0.0000123	3.007	0.10023
3	DL123A	3.076	0.0000123	3.009	0.10030
4	DL123A	3.077	0.0000123	3.007	0.10023
5	DL123A	3.077	0.0000123	3.005	0.10017
6	DL123A	3.075	0.0000123	2.933	0.09777
30C, 85%RH 11/22/2013					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.091	0.0000124	3.027	0.10090
2	DL123A	3.091	0.0000124	3.024	0.10080
3	DL123A	3.092	0.0000124	3.029	0.10097
4	DL123A	3.090	0.0000124	3.022	0.10073
5	DL123A	3.094	0.0000124	3.022	0.10073
6	DL123A	3.092	0.0000124	3.022	0.10073
0C 11/22/2013					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.004	0.0000120	2.867	0.09557
2	DL123A	3.003	0.0000120	2.831	0.09437
3	DL123A	3.003	0.0000120	2.878	0.09593
4	DL123A	3.003	0.0000120	2.855	0.09517
5	DL123A	3.006	0.0000120	2.876	0.09587
6	DL123A	3.004	0.0000120	2.869	0.09563
45C 11/22/2013					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current
1	DL123A	3.135	0.0000125	3.068	0.10227
2	DL123A	3.136	0.0000125	3.066	0.10220
3	DL123A	3.136	0.0000125	3.066	0.10220
4	DL123A	3.135	0.0000125	3.071	0.10237
5	DL123A	3.136	0.0000125	3.072	0.10240
6	DL123A	3.135	0.0000125	3.067	0.10223



23C, 30-50%RH		12/20/2013			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.076	0.0000123	2.933	0.09777
2	CR17335E-N	3.075	0.0000123	2.954	0.09847
3	CR17335E-N	3.075	0.0000123	2.797	0.09323
4	CR17335E-N	3.075	0.0000123	2.899	0.09663
5	CR17335E-N	3.075	0.0000123	2.847	0.09490
6	CR17335E-N	3.075	0.0000123	2.958	0.09860
30C, 85%RH		12/20/2013			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.092	0.0000124	2.705	0.09017
2	CR17335E-N	3.093	0.0000124	2.728	0.09093
3	CR17335E-N	3.092	0.0000124	2.868	0.09560
4	CR17335E-N	3.092	0.0000124	2.759	0.09197
5	CR17335E-N	3.092	0.0000124	3.009	0.10030
6	CR17335E-N	3.092	0.0000124	2.733	0.09110
0C		12/20/2013			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.005	0.0000120	2.585	0.08617
2	CR17335E-N	3.005	0.0000120	2.63	0.08767
3	CR17335E-N	3.005	0.0000120	2.772	0.09240
4	CR17335E-N	3.005	0.0000120	2.872	0.09573
5	CR17335E-N	3.005	0.0000120	2.872	0.09573
6	CR17335E-N	3.005	0.0000120	2.501	0.08337
45C		12/20/2013			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.136	0.0000125	2.994	0.09980
2	CR17335E-N	3.136	0.0000125	3.067	0.10223
3	CR17335E-N	3.136	0.0000125	3.062	0.10207
4	CR17335E-N	3.136	0.0000125	3.028	0.10093
5	CR17335E-N	3.136	0.0000125	2.882	0.09607
6	CR17335E-N	3.136	0.0000125	3.057	0.10190



23C, 30-50%RH		12/20/2013			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.058	0.0000122	2.851	0.09503
2	CR17335	3.054	0.0000122	2.703	0.09010
3	CR17335	3.054	0.0000122	2.892	0.09640
4	CR17335	3.057	0.0000122	2.757	0.09190
5	CR17335	3.059	0.0000122	2.611	0.08703
6	CR17335	3.057	0.0000122	2.661	0.08870
30C, 85%RH		12/20/2013			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.071	0.0000123	2.661	0.08870
2	CR17335	3.078	0.0000123	2.966	0.09887
3	CR17335	3.076	0.0000123	2.985	0.09950
4	CR17335	3.076	0.0000123	2.934	0.09780
5	CR17335	3.079	0.0000123	3.002	0.10007
6	CR17335	3.077	0.0000123	2.972	0.09907
0C		12/20/2013			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	2.974	0.0000119	2.747	0.09157
2	CR17335	2.976	0.0000119	2.793	0.09310
3	CR17335	2.976	0.0000119	2.772	0.09240
4	CR17335	2.986	0.0000119	2.761	0.09203
5	CR17335	3.004	0.0000120	2.65	0.08833
6	CR17335	2.976	0.0000119	2.702	0.09007
45C		12/20/2013			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.124	0.0000125	3.003	0.10010
2	CR17335	3.142	0.0000126	3.014	0.10047
3	CR17335	3.128	0.0000125	2.971	0.09903
4	CR17335	3.134	0.0000125	3.056	0.10187
5	CR17335	3.125	0.0000125	3.045	0.10150
6	CR17335	3.138	0.0000126	3.047	0.10157



23C, 30-50%RH		12/20/2013			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.063	0.0000123	2.984	0.09947
2	EL123AP	3.065	0.0000123	2.996	0.09987
3	EL123AP	3.064	0.0000123	2.995	0.09983
4	EL123AP	3.065	0.0000123	2.979	0.09930
5	EL123AP	3.064	0.0000123	2.980	0.09933
6	EL123AP	3.064	0.0000123	2.978	0.09927
30C, 85%RH		12/20/2013			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.083	0.0000123	3.018	0.10060
2	EL123AP	3.083	0.0000123	3.017	0.10057
3	EL123AP	3.083	0.0000123	3.018	0.10060
4	EL123AP	3.083	0.0000123	3.017	0.10057
5	EL123AP	3.083	0.0000123	3.015	0.10050
6	EL123AP	3.083	0.0000123	3.011	0.10037
0C		12/20/2013			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	2.990	0.0000120	2.758	0.09193
2	EL123AP	2.990	0.0000120	2.851	0.09503
3	EL123AP	2.990	0.0000120	2.862	0.09540
4	EL123AP	2.991	0.0000120	2.858	0.09527
5	EL123AP	2.990	0.0000120	2.857	0.09523
6	EL123AP	2.992	0.0000120	2.861	0.09537
45C		12/20/2013			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.128	0.0000125	3.063	0.10210
2	EL123AP	3.125	0.0000125	3.055	0.10183
3	EL123AP	3.128	0.0000125	3.062	0.10207
4	EL123AP	3.128	0.0000125	3.056	0.10187
5	EL123AP	3.128	0.0000125	3.057	0.10190
6	EL123AP	3.128	0.0000125	3.058	0.10193



23C, 30-50%RH 12/20/2013					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.075	0.0000123	2.992	0.09973
2	DL123A	3.077	0.0000123	3.007	0.10023
3	DL123A	3.077	0.0000123	3.007	0.10023
4	DL123A	3.077	0.0000123	3.007	0.10023
5	DL123A	3.077	0.0000123	3.005	0.10017
6	DL123A	3.075	0.0000123	2.93	0.09767

30C, 85%RH 12/20/2013					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.091	0.0000124	3.022	0.10073
2	DL123A	3.091	0.0000124	3.019	0.10063
3	DL123A	3.092	0.0000124	3.023	0.10077
4	DL123A	3.090	0.0000124	3.021	0.10070
5	DL123A	3.094	0.0000124	3.018	0.10060
6	DL123A	3.092	0.0000124	3.018	0.10060

0C 12/20/2013					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.004	0.0000120	2.867	0.09557
2	DL123A	3.003	0.0000120	2.831	0.09437
3	DL123A	3.003	0.0000120	2.878	0.09593
4	DL123A	3.003	0.0000120	2.855	0.09517
5	DL123A	3.006	0.0000120	2.876	0.09587
6	DL123A	3.004	0.0000120	2.869	0.09563

45C 12/20/2013					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current
1	DL123A	3.135	0.0000125	3.068	0.10227
2	DL123A	3.136	0.0000125	3.066	0.10220
3	DL123A	3.136	0.0000125	3.066	0.10220
4	DL123A	3.135	0.0000125	3.071	0.10237
5	DL123A	3.136	0.0000125	3.072	0.10240
6	DL123A	3.135	0.0000125	3.067	0.10223



23C, 30-50%RH		1/17/2014			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.075	0.0000123	2.925	0.09750
2	CR17335E-N	3.073	0.0000123	2.797	0.09323
3	CR17335E-N	3.073	0.0000123	2.766	0.09220
4	CR17335E-N	3.074	0.0000123	2.908	0.09693
5	CR17335E-N	3.074	0.0000123	2.819	0.09397
6	CR17335E-N	3.074	0.0000123	2.948	0.09827

30C, 85%RH		1/17/2014			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.092	0.0000124	2.712	0.09040
2	CR17335E-N	3.092	0.0000124	2.737	0.09123
3	CR17335E-N	3.092	0.0000124	2.902	0.09673
4	CR17335E-N	3.091	0.0000124	2.759	0.09197
5	CR17335E-N	3.091	0.0000124	3.001	0.10003
6	CR17335E-N	3.090	0.0000124	2.711	0.09037

0C		1/17/2014			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.005	0.0000120	2.585	0.08617
2	CR17335E-N	3.005	0.0000120	2.63	0.08767
3	CR17335E-N	3.005	0.0000120	2.772	0.09240
4	CR17335E-N	3.005	0.0000120	2.872	0.09573
5	CR17335E-N	3.005	0.0000120	2.872	0.09573
6	CR17335E-N	3.005	0.0000120	2.501	0.08337

45C		1/17/2014			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.136	0.0000125	2.994	0.09980
2	CR17335E-N	3.136	0.0000125	3.067	0.10223
3	CR17335E-N	3.136	0.0000125	3.062	0.10207
4	CR17335E-N	3.136	0.0000125	3.028	0.10093
5	CR17335E-N	3.136	0.0000125	2.882	0.09607
6	CR17335E-N	3.136	0.0000125	3.057	0.10190



23C, 30-50%RH		1/17/2014			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.058	0.0000122	2.851	0.09503
2	CR17335	3.054	0.0000122	2.703	0.09010
3	CR17335	3.054	0.0000122	2.892	0.09640
4	CR17335	3.057	0.0000122	2.757	0.09190
5	CR17335	3.059	0.0000122	2.611	0.08703
6	CR17335	3.057	0.0000122	2.661	0.08870
30C, 85%RH		1/17/2014			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.063	0.0000123	2.661	0.08870
2	CR17335	3.077	0.0000123	2.966	0.09887
3	CR17335	3.075	0.0000123	2.985	0.09950
4	CR17335	3.075	0.0000123	2.934	0.09780
5	CR17335	3.078	0.0000123	3.002	0.10007
6	CR17335	3.076	0.0000123	2.972	0.09907
0C		1/17/2014			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	2.974	0.0000119	2.747	0.09157
2	CR17335	2.976	0.0000119	2.793	0.09310
3	CR17335	2.976	0.0000119	2.772	0.09240
4	CR17335	2.986	0.0000119	2.761	0.09203
5	CR17335	3.004	0.0000120	2.65	0.08833
6	CR17335	2.976	0.0000119	2.702	0.09007
45C		1/17/2014			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.124	0.0000125	3.003	0.10010
2	CR17335	3.142	0.0000126	3.014	0.10047
3	CR17335	3.128	0.0000125	2.971	0.09903
4	CR17335	3.134	0.0000125	3.056	0.10187
5	CR17335	3.125	0.0000125	3.045	0.10150
6	CR17335	3.138	0.0000126	3.047	0.10157



23C, 30-50%RH		1/17/2014			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.063	0.0000123	2.984	0.09947
2	EL123AP	3.065	0.0000123	2.996	0.09987
3	EL123AP	3.064	0.0000123	2.995	0.09983
4	EL123AP	3.065	0.0000123	2.979	0.09930
5	EL123AP	3.064	0.0000123	2.980	0.09933
6	EL123AP	3.064	0.0000123	2.978	0.09927
30C, 85%RH		1/17/2014			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.083	0.0000123	3.018	0.10060
2	EL123AP	3.083	0.0000123	3.017	0.10057
3	EL123AP	3.082	0.0000123	3.018	0.10060
4	EL123AP	3.082	0.0000123	3.017	0.10057
5	EL123AP	3.081	0.0000123	3.015	0.10050
6	EL123AP	3.082	0.0000123	3.011	0.10037
0C		1/17/2014			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	2.990	0.0000120	2.758	0.09193
2	EL123AP	2.990	0.0000120	2.851	0.09503
3	EL123AP	2.990	0.0000120	2.862	0.09540
4	EL123AP	2.991	0.0000120	2.858	0.09527
5	EL123AP	2.990	0.0000120	2.857	0.09523
6	EL123AP	2.992	0.0000120	2.861	0.09537
45C		1/17/2014			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.128	0.0000125	3.063	0.10210
2	EL123AP	3.125	0.0000125	3.055	0.10183
3	EL123AP	3.128	0.0000125	3.062	0.10207
4	EL123AP	3.128	0.0000125	3.056	0.10187
5	EL123AP	3.128	0.0000125	3.057	0.10190
6	EL123AP	3.128	0.0000125	3.058	0.10193



23C, 30-50%RH		1/17/2014			
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.074	0.0000123	2.992	0.09973
2	DL123A	3.075	0.0000123	3.007	0.10023
3	DL123A	3.075	0.0000123	3.007	0.10023
4	DL123A	3.076	0.0000123	3.007	0.10023
5	DL123A	3.075	0.0000123	3.005	0.10017
6	DL123A	3.074	0.0000123	2.93	0.09767
30C, 85%RH		1/17/2014			
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.090	0.0000124	3.022	0.10073
2	DL123A	3.091	0.0000124	3.019	0.10063
3	DL123A	3.092	0.0000124	3.023	0.10077
4	DL123A	3.090	0.0000124	3.021	0.10070
5	DL123A	3.094	0.0000124	3.005	0.10017
6	DL123A	3.092	0.0000124	3.018	0.10060
0C		1/17/2014			
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.004	0.0000120	2.867	0.09557
2	DL123A	3.003	0.0000120	2.831	0.09437
3	DL123A	3.003	0.0000120	2.878	0.09593
4	DL123A	3.003	0.0000120	2.855	0.09517
5	DL123A	3.006	0.0000120	2.876	0.09587
6	DL123A	3.004	0.0000120	2.869	0.09563
45C		1/17/2014			
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current
1	DL123A	3.135	0.0000125	3.068	0.10227
2	DL123A	3.136	0.0000125	3.066	0.10220
3	DL123A	3.136	0.0000125	3.066	0.10220
4	DL123A	3.135	0.0000125	3.071	0.10237
5	DL123A	3.136	0.0000125	3.072	0.10240
6	DL123A	3.135	0.0000125	3.067	0.10223



23C, 30-50%RH		2/14/2014			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.075	0.0000123	2.834	0.09447
2	CR17335E-N	3.073	0.0000123	2.865	0.09550
3	CR17335E-N	3.073	0.0000123	2.902	0.09673
4	CR17335E-N	3.074	0.0000123	2.909	0.09697
5	CR17335E-N	3.074	0.0000123	2.857	0.09523
6	CR17335E-N	3.074	0.0000123	2.848	0.09493
30C, 85%RH		2/14/2014			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.092	0.0000124	2.762	0.09207
2	CR17335E-N	3.092	0.0000124	2.722	0.09073
3	CR17335E-N	3.092	0.0000124	2.911	0.09703
4	CR17335E-N	3.092	0.0000124	2.767	0.09223
5	CR17335E-N	3.092	0.0000124	3.009	0.10030
6	CR17335E-N	3.092	0.0000124	2.722	0.09073
0C		2/14/2014			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.002	0.0000120	2.599	0.08663
2	CR17335E-N	3.002	0.0000120	2.627	0.08757
3	CR17335E-N	3.002	0.0000120	2.769	0.09230
4	CR17335E-N	3.002	0.0000120	2.867	0.09557
5	CR17335E-N	3.003	0.0000120	2.869	0.09563
6	CR17335E-N	3.002	0.0000120	2.641	0.08803
45C		2/14/2014			
		Standby		Alarm	
FDK	Model	Voltage	Current	Voltage	Current
1	CR17335E-N	3.132	0.0000125	2.929	0.09763
2	CR17335E-N	3.132	0.0000125	3.066	0.10220
3	CR17335E-N	3.132	0.0000125	3.054	0.10180
4	CR17335E-N	3.132	0.0000125	2.961	0.09870
5	CR17335E-N	3.132	0.0000125	2.816	0.09387
6	CR17335E-N	3.132	0.0000125	3.047	0.10157



23C, 30-50%RH		2/14/2014			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.057	0.0000122	2.829	0.09430
2	CR17335	3.053	0.0000122	2.686	0.08953
3	CR17335	3.052	0.0000122	2.881	0.09603
4	CR17335	3.056	0.0000122	2.764	0.09213
5	CR17335	3.059	0.0000122	2.595	0.08650
6	CR17335	3.057	0.0000122	2.644	0.08813
30C, 85%RH		2/14/2014			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.074	0.0000123	2.604	0.08680
2	CR17335	3.076	0.0000123	2.945	0.09817
3	CR17335	3.074	0.0000123	2.969	0.09897
4	CR17335	3.075	0.0000123	2.917	0.09723
5	CR17335	3.077	0.0000123	2.988	0.09960
6	CR17335	3.075	0.0000123	2.966	0.09887
0C		2/14/2014			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	2.975	0.0000119	2.744	0.09147
2	CR17335	2.980	0.0000119	2.795	0.09317
3	CR17335	2.978	0.0000119	2.771	0.09237
4	CR17335	2.978	0.0000119	2.752	0.09173
5	CR17335	2.970	0.0000119	2.609	0.08697
6	CR17335	2.974	0.0000119	2.698	0.08993
45C		2/14/2014			
		Standby		Alarm	
EVE	Model	Voltage	Current	Voltage	Current
1	CR17335	3.116	0.0000125	2.997	0.09990
2	CR17335	3.115	0.0000125	2.993	0.09977
3	CR17335	3.114	0.0000125	2.944	0.09813
4	CR17335	3.114	0.0000125	3.002	0.10007
5	CR17335	3.114	0.0000125	3.025	0.10083
6	CR17335	3.086	0.0000123	2.996	0.09987



23C, 30-50%RH		2/14/2014			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.064	0.0000123	2.981	0.09937
2	EL123AP	3.065	0.0000123	2.993	0.09977
3	EL123AP	3.065	0.0000123	2.994	0.09980
4	EL123AP	3.065	0.0000123	2.978	0.09927
5	EL123AP	3.064	0.0000123	2.979	0.09930
6	EL123AP	3.064	0.0000123	2.979	0.09930
30C, 85%RH		2/14/2014			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.083	0.0000123	3.015	0.10050
2	EL123AP	3.083	0.0000123	3.016	0.10053
3	EL123AP	3.084	0.0000123	3.017	0.10057
4	EL123AP	3.083	0.0000123	3.014	0.10047
5	EL123AP	3.083	0.0000123	3.014	0.10047
6	EL123AP	3.083	0.0000123	3.009	0.10030
0C		2/14/2014			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	2.991	0.0000120	2.831	0.09437
2	EL123AP	2.990	0.0000120	2.848	0.09493
3	EL123AP	2.989	0.0000120	2.858	0.09527
4	EL123AP	2.990	0.0000120	2.856	0.09520
5	EL123AP	2.990	0.0000120	2.857	0.09523
6	EL123AP	2.991	0.0000120	2.858	0.09527
45C		2/14/2014			
		Standby		Alarm	
Energizer	Model	Voltage	Current	Voltage	Current
1	EL123AP	3.124	0.0000125	3.061	0.10203
2	EL123AP	3.124	0.0000125	3.053	0.10177
3	EL123AP	3.124	0.0000125	3.062	0.10207
4	EL123AP	3.125	0.0000125	3.055	0.10183
5	EL123AP	3.125	0.0000125	3.055	0.10183
6	EL123AP	3.125	0.0000125	3.055	0.10183



23C, 30-50%RH					
2/14/2014					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.075	0.0000123	2.999	0.09997
2	DL123A	3.076	0.0000123	3.007	0.10023
3	DL123A	3.076	0.0000123	3.007	0.10023
4	DL123A	3.076	0.0000123	3.005	0.10017
5	DL123A	3.076	0.0000123	3.005	0.10017
6	DL123A	3.074	0.0000123	2.897	0.09657

30C, 85%RH					
2/14/2014					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.091	0.0000124	3.024	0.10080
2	DL123A	3.090	0.0000124	3.021	0.10070
3	DL123A	3.092	0.0000124	3.027	0.10090
4	DL123A	3.091	0.0000124	3.02	0.10067
5	DL123A	3.094	0.0000124	3.007	0.10023
6	DL123A	3.092	0.0000124	3.019	0.10063

0C					
2/14/2014					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current 30 OHM
1	DL123A	3.003	0.0000120	2.866	0.09553
2	DL123A	3.002	0.0000120	2.824	0.09413
3	DL123A	3.003	0.0000120	2.871	0.09570
4	DL123A	3.003	0.0000120	2.855	0.09517
5	DL123A	3.005	0.0000120	2.872	0.09573
6	DL123A	3.004	0.0000120	2.867	0.09557

45C					
2/14/2014					
Standby			Alarm		
Duracell	Model	Voltage	Current 250K	Voltage	Current
1	DL123A	3.132	0.0000125	3.063	0.10210
2	DL123A	3.132	0.0000125	3.064	0.10213
3	DL123A	3.132	0.0000125	3.057	0.10190
4	DL123A	3.132	0.0000125	3.067	0.10223
5	DL123A	3.133	0.0000125	3.067	0.10223
6	DL123A	3.132	0.0000125	3.064	0.10213

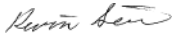


BRK Brands, Inc.

Letter Report 101071631CHI-001E
02/19/14

If there are any questions regarding the results contained in this report, or any of the other services offered by Intertek, please do not hesitate to contact the undersigned.

Please note, this Letter Report does not represent authorization for the use of any Intertek certification marks.

Completed by:	Kevin Sein	Reviewed by:	Rich Hoffman
Title:	Associate Engineer	Title:	Staff Engineer
Signature:		Signature:	