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Testing. Advising. Assuring.



TEST REPORT

Medline Industries, Inc.DATE:August 4, 20101 Medline PlaceREPORT NO.:6812Mundelein, IL 60060QUOTE NO.:10-340-6321

Attention: Christopher Kobus PAYMENT TYPE: PO 4700134263

DESCRIPTION OF SAMPLE

(10) Batteries described as follows:

- (2) Medcell "AAA" Cell Batteries
- (2) Medcell "AA" Cell Batteries
- (2) Medcell "C" Cell Batteries
- (2) Medcell "D" Cell Batteries
- (2) Medcell "9-Volt" Batteries

Batteries Received Date: July 02, 2010

WORK REQUESTED

<u>Battery Test – (Discharge):</u> Apply the required load resistance to each battery listed above until the Cut-off Voltage is achieved. Record voltage vs. time charts for each battery tested.

Note(s):

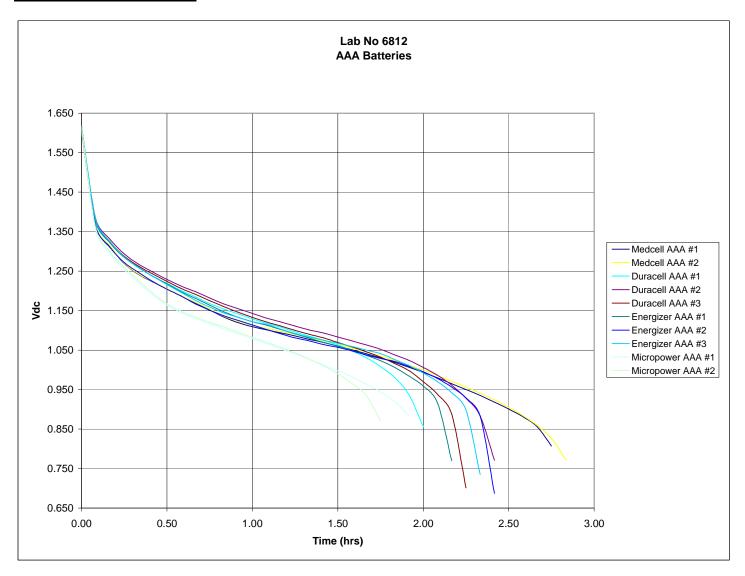
- Micropower batteries used as reference were previously tested per Exova Lab Number 6735 in June 2010.
- Duracell & Energizer batteries used as reference were previously tested per Exova Lab Number 4839 in August 2009.

Approved By:

Jan Steplowski Quality Manager August 4, 2010

Medline Industries, Inc. Date: August 4, 2010

RESULTS: AAA BATTERIES



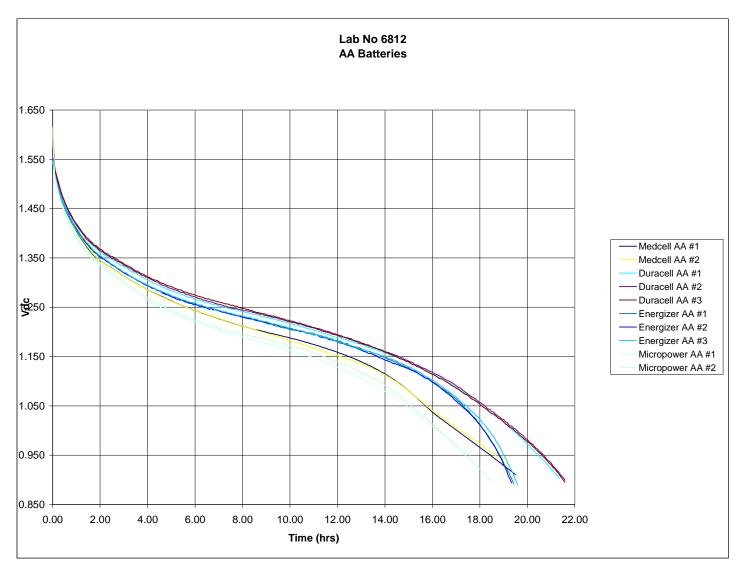
Nominal Voltage (V)	Load Resistance (Ω)	Cut-off Voltage (V)
1.5	3.9	8.0

#	Total	Discharg	jed Volta	ge (V)	Total Discharge Time (hrs)				Average Discharge Rate (V/hr)			
#	M	D	Е	MP	M	D	Е	MP	M	D	Е	MP
1	.799	.755	.847	.732	2.75	2.00	2.17	1.92	.291	.377	.391	.381
2	.833	.840	.931	.743	2.83	2.42	2.42	1.75	.294	.348	.385	.425
3	n/a	.911	.883	n/a	n/a	2.25	2.33	n/a	n/a	.405	.378	n/a

M: Medcell, D: Duracell, E: Energizer, MP: Micropower

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RESULTS: AA BATTERIES



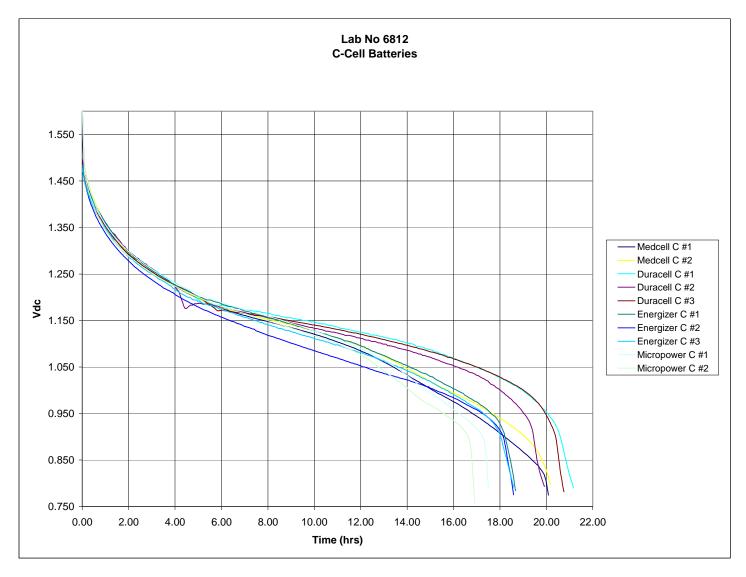
Nominal Voltage (V)	Load Resistance (Ω)	Cut-off Voltage (V)
1.5	10.0	0.9

#	Total Discharged Voltage (V)				Tota	Total Discharge Time (hrs)				Average Discharge Rate (V/hr)			
#	M	D	Е	MP	M	D	Е	MP	M	D	Е	MP	
1	.713	.652	.662	.664	19.84	21.34	19.42	17.59	.036	.030	.034	.038	
2	.712	.662	.658	.717	20.00	21.59	19.34	18.50	.036	.031	.034	.039	
3	n/a	.719	.657	n/a	n/a	21.59	19.59	n/a	n/a	.033	.034	n/a	

M: Medcell, D: Duracell, E: Energizer, MP: Micropower

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RESULTS: C-CELL BATTERIES



Nominal Voltage (V)	Load Resistance (Ω)	Cut-off Voltage (V)
1.5	3.9	8.0

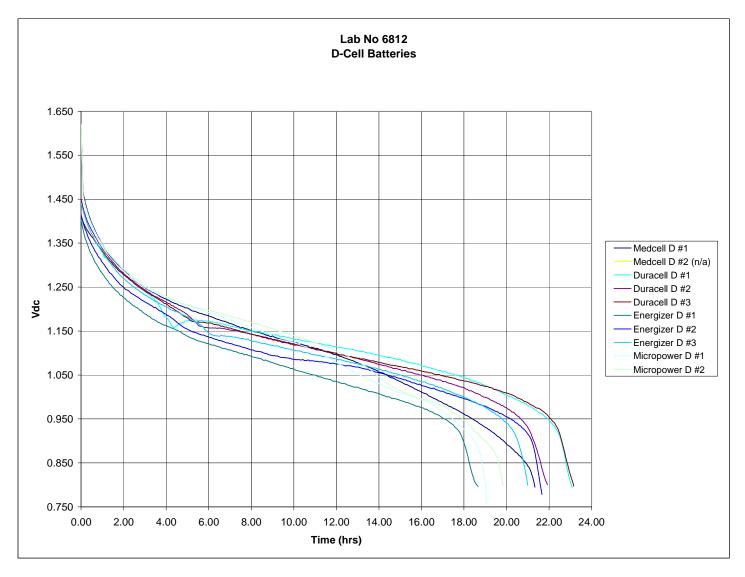
#	Total Discharged Voltage (V)				Tota	Total Discharge Time (hrs)				Average Discharge Rate (V/hr)			
#	M	D	Е	MP	M	D	E	MP	M	D	Е	MP	
1	.844	.688	.699	.847	20.09	21.17	18.67	17.50	.042	.033	.037	.048	
2	.822	.706	.833	.872	20.17	19.92	18.58	16.92	.041	.035	.045	.052	
3	n/a	.815	.683	n/a	n/a	20.75	18.59	n/a	n/a	.039	.037	n/a	

THIS CERTIFICATE OR REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE APPROVAL OF THE LABORATORY.

M: Medcell, D: Duracell, E: Energizer, MP: Micropower

Medline Industries, Inc. Date: August 4, 2010 CJS

RESULTS: D-CELL BATTERIES



Noi	minal Voltage (V)	Load Resistance (Ω)	Cut-off Voltage (V)
	1.5	2.2	0.8

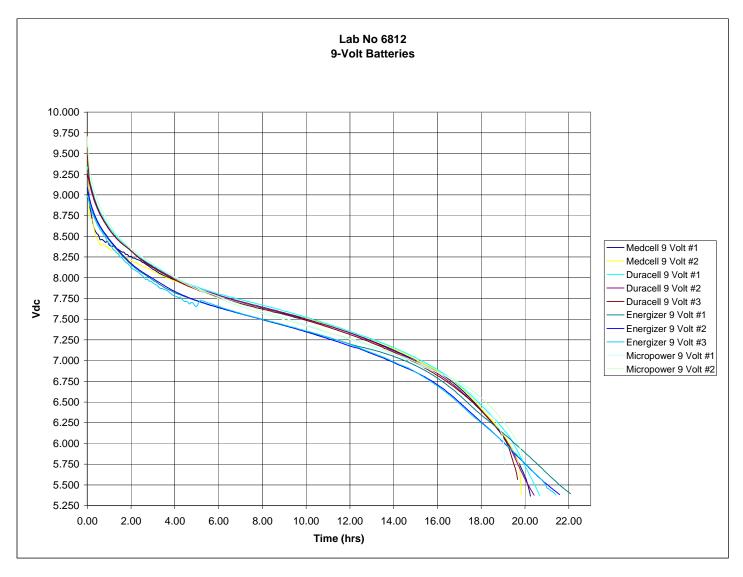
#	Total	Discharg	ged Volta	ge (V)	Total Discharge Time (hrs)				Average Discharge Rate (V/hr)			
#	M	D	Е	MP	M	D	Е	MP	M	D	Е	MP
1	.824	.608	.606	.862	21.34	23.09	18.67	19.09	.039	.026	.032	.045
2	n/a	.652	.637	.820	n/a	21.92	21.67	19.84	n/a	.030	.029	.041
3	n/a	.614	.642	n/a	n/a	23.17	21.00	n/a	n/a	.027	.031	n/a

M: Medcell, D: Duracell, E: Energizer, MP: Micropower

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RESULTS: 9-VOLT BATTERIES



Nominal Voltage (V)	Load Resistance (Ω)	Cut-off Voltage (V)
9.0	270.0	5.4

#	Total Discharged Voltage (V)				Tota	Total Discharge Time (hrs)				Average Discharge Rate (V/hr)			
#	M	D	Е	MP	M	D	E	MP	M	D	Е	MP	
1	4.314	3.966	3.674	3.939	20.25	20.67	22.09	19.09	.213	.192	.166	.206	
2	4.320	3.889	3.714	3.860	19.84	20.42	21.59	19.92	.218	.190	.172	.194	
3	n/a	4.010	3.606	n/a	n/a	19.67	21.42	n/a	n/a	.204	.168	n/a	

M: Medcell, D: Duracell, E: Energizer, MP: Micropower

Medline Industries, Inc. Date: August 4, 2010 CJS

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