

Test Report

Report No.: SZES150300070601

Date: 2015-04-23

Applicant: **Shenzhen Motoma Power Co., Ltd.**
321-324 Room, 3/F., Building A, Honghualing Industrial District, Taoyuan Road, Nanshan, Shenzhen, Guangdong, China

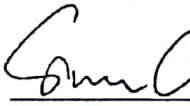
Test object / Model : **Zinc Chloride Battery**
R6P

Test specifications / Test standard: **IEC/EN 60086-2: 2011 Primary batteries - Part 2: Physical and electrical specifications**

Purpose of examination: **Test according to the test specification.**

Test result: **See below pages.**

Remark: **Applicant information: IMPORTERS TAX IDENTIFICATION NUMBER 0000009488**


Simon Chen
Project Reviewer
Safety Laboratory




Rachel Long
Project Engineer

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1. Function / Description:

Zinc Chloride Battery

2. Ratings:

Trademark:

MOTOMA[®]

Model:

R6P

Rated Voltage:

1,5 Vd.c.

3. Test:

Possible test case verdicts:

- test case does not apply to the test object: N/A (Not Applicable)
- test object does meet the requirement: P (Pass)
- test object does not meet the requirement: F (Fail)

The tests were done in the Electrical Safety Laboratory of SGS-CSTC in Shenzhen.

Test item was received on 2015-03-19.

Tests were performed from 2015-03-19 to 2015-04-16.

Ambient: (20±2)°C and (55±20)% RH

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2015年4月23日
2015-04-23

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4. Test result:

TABLE 6.1.1.3		Battery discharge result- Specifications: R6P		P
Condition 1				
R/Ω	Daily period	EV	MAD(initial)	
43	4 h per day	0,9 V	27 hours	
Result				
Sample No.	Initial discharge/hours		Verdict	
R6P (#1)	33,74		P	
R6P (#2)	31,96		P	
R6P (#3)	34,04		P	
R6P (#4)	32,92		P	
R6P (#5)	33,58		P	
R6P (#6)	33,30		P	
R6P (#7)	33,53		P	
R6P (#8)	33,20		P	
R6P (#9)	32,54		P	
Average value	33,20		P	
Condition 2				
R/Ω	Daily period	EV	MAD(initial)	
3,9	1 h per day	0,8 V	65 mins	
Result				
Sample No.	Initial discharge/mins		Verdict	
R6P (#10)	148,6		P	
R6P (#11)	148,2		P	
R6P (#12)	148,4		P	
R6P (#13)	148,0		P	
R6P (#14)	146,7		P	
R6P (#15)	148,3		P	
R6P (#16)	144,3		P	
R6P (#17)	147,1		P	
R6P (#18)	147,8		P	

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Average value	147,5	P
Condition 3		
R/Ω	Daily period	EV
10	1 h per day	0,9 V
MAD(initial)		
4 hours		
Result		
Sample No.	Initial discharge/hours	Verdict
R6P (#19)	7,5	P
R6P (#20)	6,9	P
R6P (#21)	6,9	P
R6P (#22)	7,5	P
R6P (#23)	6,9	P
R6P (#24)	6,9	P
R6P (#25)	6,9	P
R6P (#26)	6,9	P
R6P (#27)	7,0	P
Average value	7,0	P
Condition 4		
R/Ω	Daily period	EV
24	15s per min 8h per day	1,0 V
MAD(initial)		
11 hours		
Result		
Sample No.	Initial discharge/hours	Verdict
R6P (#28)	16,6	P
R6P (#29)	16,8	P
R6P (#30)	16,5	P
R6P (#31)	17,1	P
R6P (#32)	17,0	P
R6P (#33)	16,4	P
R6P (#34)	16,9	P
R6P (#35)	16,4	P
R6P (#36)	16,8	P
Average value	16,7	P

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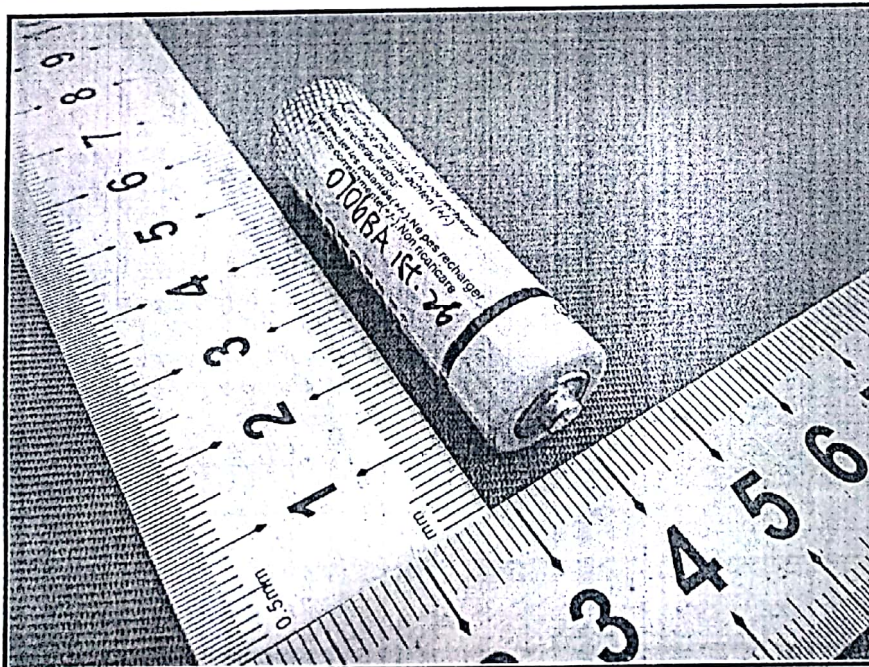
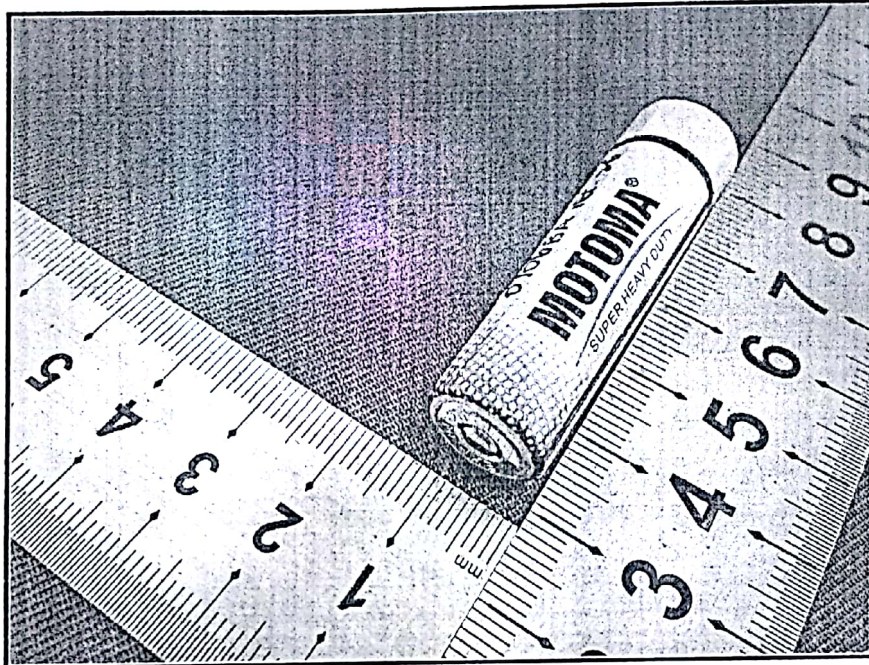
Date: 2015-04-23

Condition 5			
R/Ω	Daily period	EV	MAD(initial)
1,8	15s on,45s off for 24h per day	0,9 V	60 pulses
Result			
Sample No.	Initial discharge/pulses	Verdict	
R6P (#37)	156	P	
R6P (#38)	147	P	
R6P (#39)	138	P	
R6P (#40)	141	P	
R6P (#41)	124	P	
R6P (#42)	148	P	
R6P (#43)	154	P	
R6P (#44)	147	P	
R6P (#45)	143	P	
Average value	144	P	

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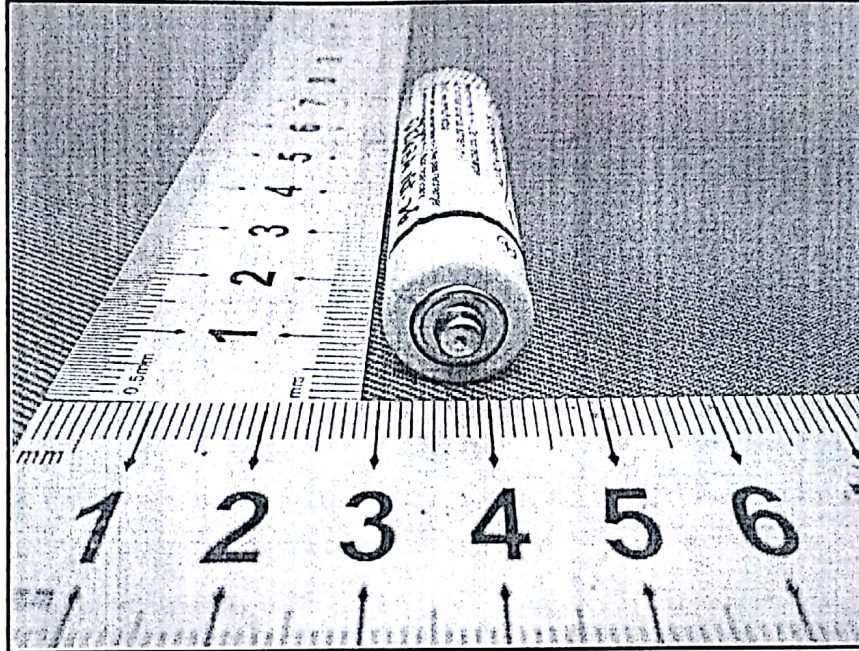
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NOTES TO THIS TEST REPORT

1. The following language(s) of marking(s) and instruction sheets were submitted during the test application:
 - English

According to the standard, instruction sheets and other texts required by the standard should be written in the official language(s) of the country in which the product is to be sold. The applicant should ensure that the product in future production fulfils the receptive standard requirements.

2. The components performed satisfactorily during testing and are considered to be suitable for use in the sample tested. Acceptances of the safety critical components and materials were based on:
 - the certification record(s) and/or test report submitted by the applicant; or
 - component / material tested with the appliance

Detail shall be referred to the component list on the appendix of this test report.

--- End of Report ---

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