



For the Attention of: Sandy Chadha
Supreme Imports Limited
4 Beacon Road
Ashburton Park
Asburton Road West, Trafford Park
Manchester
M17 1AF

With Compliments

DATE REPORT ISSUED 03/05/2011

PLEASE FIND ENCLOSED OUR REPORT REFERENCE ALC E : 133256 : 0211

THANK YOU FOR CHOOSING
BUREAU VERITAS CONSUMER PRODUCTS SERVICES UK LTD

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Unless otherwise agreed in writing, samples will be retained for a minimum period of 28 days and then disposed of at Bureau Veritas Consumer Products Services UK Ltd's discretion.

Bureau Veritas Consumer Products Services UK Ltd

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TECHNICAL REPORT

SUBMISSION INFORMATION

ALC. E : I33256 : 0211

DATE JOB BOOKED IN: 18/02/2011

DATE REPORT ISSUED: 03/05/2011

Sample Description: CR2032 batteries 2 brands

Applicant: Supreme Imports Limited
4 Beacon Road
Ashburton Park
Asburton Road West, Trafford Park
Manchester
M17 1AF

Applicant Ref. / Order:

TEST INFORMATION

Evaluation To: Comparison of various different brands of battery.

Standards Employed: BS EN 60086-1:2001
BS EN 60086-2:2001

CONCLUSIONS: Both of the battery types exceeded the Minimum Average Duration (MAD) that was anticipated for the discharge tests. The Panasonic achieved 136% of the MAD and the JCB 125%.
No leakage was recorded from any cell during testing.

Signature:

Paul Harris

AUTHORISED SIGNATORY

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This certificate should be read in conjunction with the attached report which has been prepared in accordance with and is subject to Bureau Veritas Consumer Products Services UK Ltd's standard Terms & Conditions.

The results and conclusions only apply to the sample(s) submitted and do not guarantee the bulk of the items from which it was obtained to be of equal quality.

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SUMMARY OF EXAMINATION

Introduction:

An examination was requested to ascertain compliance with the requirements as detailed on page one of this report. The following clauses were considered applicable and our findings were as follows:

BS EN 60086-1:2001

CLAUSE	DESCRIPTION	RESULT	*COMMENTS
4.1.2	BATTERY DIMENSIONS	PASS	
4.1.3.1	CONTACT PRESSURE RESISTANCE	PASS	
4.1.6	MARKING	PASS	See note 1
4.2	PERFORMANCE		
4.2.1	DISCHARGE PERFORMANCE	PASS	See note 2
4.2.2	DIMENSIONAL STABILITY	PASS	
4.2.3	LEAKAGE	PASS	See note 3
4.2.4	OPEN-CIRCUIT VOLTAGE LIMITS	PASS	

**See Annex II : Comments*

ANNEX I: SUBMISSION DESCRIPTION

Sample Description: CR2032 batteries 2 brands
JCB and Panasonic



Figure 1

ANNEX II : ADDITIONAL COMMENTS

- 1 The JCB batteries were not marked with a date of manufacture or expiry on either the battery or immediate packaging however the outer carton containing 10 batteries was marked with an expiry date of 11-2013.
- 2 The Minimum Average Duration (MAD) for the discharge test for this type of cell under the test conditions applied is 920 hours.

The following MAD values were recorded:

Panasonic	1254hrs	(136%)
JCB	1155hrs	(125%)

- 3 No leakage occurred from any of the cells during storage or the discharge tests.