



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 17/01/2011**

PLEASE FIND ENCLOSED OUR REPORT REFERENCE ALC E : 131472 : 1110 A

THANK YOU FOR CHOOSING  
BUREAU VERITAS CONSUMER PRODUCTS SERVICES UK LTD

#### **SAMPLE RETENTION POLICY**

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.

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#### **Bureau Veritas Consumer Products Services UK Ltd**

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# TECHNICAL REPORT

## SUBMISSION INFORMATION

**ALC. E : 131472 : 1110**

DATE JOB BOOKED IN: 23/11/2010

DATE REPORT ISSUED: 17/01/2011

Sample Description: Alkaline Batteries  
Type AA 6 Makes

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 60086-2:1998

**CONCLUSIONS:** All of the batteries exceeded the Minimum Average Duration (MAD) that was anticipated for the discharge tests. All of the samples of battery attained between 204% and 222% of the MAD.  
The Duracell Ultra power and JCB Digital OXI gave the best results.  
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		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: Alkaline Batteries  
Type AA 6 Makes  
Duracell Plus, Duracell Ultra Power, Simply Duracell, JCB Digital OXI, Energizer, Energizer Ultra+.



Figure 1

## ANNEX II : ADDITIONAL COMMENTS

The results shown in this report are extracted from our previous report ALC.E:131472:1110

- 1 The JCB Digital Oxi (non-display card version) batteries were not marked with manufacture date/expiry date. This may be marked on the packaging however this was not submitted for examination.

For all three Duracell types, the JCB and Energizer batteries, only the positive terminal was marked however this was not considered to constitute a hazard.

- 2 The Minimum Average Duration (MAD) for the discharge test for this type of cell under the test conditions applied is 4 hours.

The following MAD values were recorded:

Simply Duracell	8.15hrs	(204%)
Duracell Ultra	8.9hrs	(222%)
Duracell Plus	8.6hrs	(215%)
Energizer	8.25hrs	(206%)
Energizer Ultra Plus	8.5hrs	(212%)
JCB Digital OXI	8.9hrs	(222%)

- 3 No leakage was recorded from any cell during testing.