



The National Weights & Measures Laboratory

TEST CERTIFICATE NUMBER GB-1204

Issued by: National Weights and Measures Laboratory
Stanton Avenue
Teddington
Middlesex TW11 0JZ
United Kingdom

Notified Body Number 0126

In accordance with: The Council Directive 90/384/EEC on Non-Automatic Weighing Instruments. Conformity with the essential requirements, referred to in Annex 1 of the Directive, is met by application of the European standard on Metrological aspects of non-automatic weighing instruments EN45501:1992.


Applicant: Exposhops Ltd
44 Swakeleys Drive
Uxbridge
UB10 8QE
United Kingdom

In respect of: The software of a **Point of Sale Device** tested as a part of a weighing instrument.
Manufacturer: Exposhops Ltd
Type: MyAPOS POS software

Characteristics: Characteristics are provided in the Descriptive Annex of this test certificate.

Description and documentation: The software of a Point of Sale device is described in the Descriptive Annex.
Documents appertaining to this test certificate are held by the National Weights and Measures Laboratory.

Remarks: The software of a Point of Sale device has been tested and found to conform to the relevant parts of EN45501 and WELMEC Guides 2.2 and 2.3.

Signature: 
R H Hackney
for Chief Executive
National Weights and Measures Laboratory

Date: 23 June 2005
Reference: T1129/0019

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Descriptive Annex

1 INTRODUCTION

The Exposhops Ltd's MyAPos Point of Sale software is designed to be installed in a point of sale system using PC-based technology. The POS device is connected to an EC Type Approved weight-only weighing instrument.

This Test Certificate covers only the software of the system.

2 DESCRIPTION

This Test Certificate covers the Exposhops Ltd's MyAPos Point of Sale software.

When a weighed item is processed, the weight, price per unit weight and the price to pay are displayed on both the vendor and customer POS displays.

When a non-weighed item is processed, the item price and price to pay are displayed on both the vendor and customer POS displays. When a multiple non-weighed item is processed, the quantity, item price and price to pay are displayed on both the vendor and customer POS displays.

All primary indications are displayed clearly and simultaneously to both the vendor and customer.

There is no weight disturbance interlock, but the accidental repetition of a weighed item is prevented by the program itself.

At the end of each transaction a receipt is printed (see Figure 1).

3 SOFTWARE SECURITY AND VERIFICATION INFORMATION

The program is supplied in the form of compiled executable code only and as such cannot easily be modified using common software tools.

The software has been segregated such that the metrological aspects of the program which are concerned with the weight data have been written into one module (MyAPosdll.dll), and the operational and management functions have been written into another (MyAPos.exe). The operational and management software functions may be modified, but have no effect on the legally relevant software.

Any attempted modification or manipulation of the "MyAPosdll.dll" file will cause the application program checksum to change.

The checksum value for “MyAPosdll.dll” can be found, with the program in operation, by the following procedure:

- Enter Login No: 1 and Password: 12345
- Select Options
- Select ID Checksum

The checksum value should be shown as: 126404765026325644901238528880149

4 HARDWARE REQUIREMENTS

This software may be used in any compatible free-programmable Point of Sale hardware that meets the requirements of EN45501 and WELMEC 2.2 - ”Guide for Testing Point of Sale (POS) Devices”, provided that this POS hardware has a Test Certificate issued by a Notified Body responsible for type examination under Directive 90/384/EEC and that this hardware Test Certificate allows software having a Test Certificate to be installed.

It must not be possible for the system to be booted up using an alternative program on a floppy disc or CD. If drives are present, they must be disabled by either a physical lock or by the system itself.

5 ALTERNATIVES

5.1 There are at present no alternatives.

6 ILLUSTRATIONS

Figure 1 Typical receipt printout

TEST CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
GB-1204	23 June 2005	Test certificate first issued.
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TEST SUPERMARKET
PHONE: 0800 808080
VAT: 00000000
THANK YOU FOR SHOPPING WITH US

RECEIPT

17/06/2005 11:53:36 #00006 C2

0.695kg	x £0.99/kg	
APPLE-RED		£0.69
5	x £1.19	
ANCHOR BUTTER 250GR		£5.95
2.11kg	x £0.99/kg	
APPLE-YELLOW		£2.09
BOOTS DISPERSIBLE ASPIRIN		£1.19
3	x £0.45	
AVOCADO		£1.35
EXTRA VIRGIN OLIVE OIL 3LT		£11.79

TOTAL : £ 23.06

CHANGE : £ 6.94

CASH : £ 23.06

001/011/002

Figure 1 Typical receipt printout