



## Barcode Verification Report

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Legrand Australia Pty Ltd

Issue Date 04 July 2017  
Expiry Date 04 July 2018

For assistance please ring 1300 BARCODE (1300 227 263) and ask for the Melbourne/Sydney Help Desk

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**Meets all GS1 Minimum Guidelines and ISO Grades**

**Description:** Hpm Vivo 10a 3 Gang Switch 230-240v Ac Grey  
**Type of bar code:** EAN-13  
**Number/data encoded:** 9321001465546  
**Print method:** Direct  
**Number of bar codes on item:** 1  
**Substrate:** Flexible

**Note:** Due to possible variations in print quality the ISO grade given on this report is only applicable to the sample provided.  
Due to different scanning environments the scan rate shown on this report should be used as a guide only.

### Testing Summary

<b>Complies to Minimum GS1 Specifications</b>	
Omni-Directional Retail Point of Sale	P
Hand Scanning	P
Complies to GS1 Location Recommendations	N/A
ISO Grade (0.0 - 4.0)	2.0
Scan Rate	100%
<b>Business Critical Comments</b>	



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**Analysis**

**GS1 Specifications**

Parameters	Comment Reference	Assessed	Complies to Specification	Minimum GS1 Specifications required
Magnification (X-dimension) for Omni-Directional RPOS		75.0%	P	80.00% - 200.00%
Magnification (X-dimension) for Hand Scanning		75.00%	P	80.00% - 200.00%
Barcode Height (Auto Scan)		22.00 mm	P	18.28 mm
Barcode Height (Hand Scan)		22.00 mm	P	18.28 mm
Quiet Zones (Left)		8.00 mm	P	2.90 mm
(Right)		9.00 mm	P	1.85 mm
GTIN Check Digit		6	P	6
General Representation			P	
Validity of GS1 Company Prefix			P	
Other Compliance Issues			P	
Location	( 2 )	Not Assessed		
<b>Additional Test</b>		<b>General Comment</b>		
Average Bar Gain		Too Narrow		

ISO Parameters	Comment Reference	ISO Grade	Meets ISO Passing Grade
Overall ISO Grade		2.0/06/660	P
Decode		4.00	P
Symbol Contrast		2.00	P
Minimum Reflectance		4.00	P
Edge Contrast		4.00	P
Modulation		2.00	P
Defects		4.00	P
Decodability		4.00	P
General Comments	( 1 )		

Information on conversion between ISO and ANSI grades may be found on the GS1 Australia web site at [www.gs1au.org](http://www.gs1au.org)

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Minimum ISO Pass Grades - Bar Code Type	Grade
EAN-13, EAN-8, UPC-A, UPC-E, GS1-128, ITF-14 less than 62.5% Mag.	Pass = 1.5 - 4.0 Fail = 0.0 - 1.4
ITF-14 greater than 62.5% Magnification	Pass = 0.5 - 4.0 Fail = 0.0 - 0.4 Note: In general distribution a grade less than 1.5 may cause scanning difficulties.
Educational Comments	
1	Please note that this item was submitted for testing in an unformed/incomplete state. The ISO results may alter once its in a complete, formed state.
2	Location cannot be assessed on an incomplete/unformed pack.

**Product Dimensions Section**

GS1 Australia has the facilities to measure product dimensions for products sent for bar code testing; these dimensions may be required for space management purposes. To obtain dimensions a complete formed sample must be supplied.

**Product Imaging Section**

GS1 Australia provide an imaging service to both members and non-members. If product images have been requested by your company you will be notified upon the completion of imaging.



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### Important Notes:

- This Barcode Verification Report may contain privileged and confidential information intended only for the use of the addressee named above. If you are not the intended recipient of this report, you are hereby notified that any use, dissemination, distribution or reproduction of this message is prohibited. If you received this message in error please notify GS1 Australia.
- This Barcode Verification Report is valid for 12 months from the date of issue.
- Unless otherwise advised or stipulated by your company, all details relating to the product sample/s submitted will be made visible to the GS1net / National Product Catalogue user community 28 days after the date of submission, and other GS1 subscription services such as GS1 Australia Smart Media, depending on user settings.
- All samples will be disposed of within seven days of the Barcode Verification Report being issued or, upon request, returned to the submitter in accordance with their directions and at their cost.
- The scan rate is an indication of how the barcode performed on one scanner. As various scanners decode barcodes in different ways, any shortcoming of a barcode may result in a varied level of performance across different scanners.
- It is the responsibility of the member company to ensure the correct use of the GS1 company prefix. The correct allocation of a barcode number is the responsibility of the owner.
- Rejection of products by your customer/s should not necessarily be based solely on a Barcode Verification Report with an out of specification result.
- GS1 Australia's Barcode Check service uses ISO accredited verification equipment to assess the compliance of the barcode to GS1 standards based on ISO/IEC 15416. Should a dispute arise over any failed results from GS1's equipment, an internationally recognised and independent arbitrator can be used, on request, to gain an impartial ruling on the accuracy of the verification equipment. The cost of arbitration will be incurred by the barcode testing customer in advance, but will be reimbursed should the arbitrator's assessment confirm a passing ISO grade.

### Disclaimer:

- This report is prepared solely for testing purposes and is not conclusive evidence of the information provided within
- Every possible effort has been made to ensure that the information and specifications in this report are correct. However, GS1 Australia excludes all liability for any errors or omissions, to the maximum extent permitted by law (whether arising in negligence, breach of contract or breach of any other law) that it may have for any loss or damage arising from the use of, or reliance on, this report, whether that loss or damage is direct, indirect or consequential (including loss of any contract or sale, loss of any business revenue, loss of profits, failure to realise expected profits or savings or any other commercial loss or economic loss of any kind).