



Bar Code Verification Report

Ryan Tan
Mercator Lighting Pty Ltd

Issue Date 06 February 2013
Expiry Date 06 February 2014

For assistance please ring 1300 366 033 and ask for the Melbourne/Sydney Help Desk

Report No. AU30480953

Page 1 of 3



Meets all GS1 Minimum Guidelines and ISO Grades

Description: Fc032134wh
Type of bar code: EAN-13
Number/data encoded: 9312699080067
Print method: Thermal
Number of bar codes on item: 1
Substrate: Paper Stock
Sample type: Label

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

Complies to Minimum GS1 Specifications	
Omni-directional Retail Point of Sale	P
Hand scanning	P
Complies to GS1 Location Recommendations	N/A
ISO Grade (0.0 - 4.0)	4.0
Scan Rate	100%
Business Critical Comments	



Report No. AU30480953

Page 2 of 3

Analysis

GS1 Specifications

Parameters	Comment Reference	Assessed	Complies to Specification	Minimum GS1 Specifications required
Magnification (X-dimension) for Omni_Directional RPOS		101.0%	P	80.00% - 200.00%
Magnification (X-dimension) for Hand Scanning		101.00%	P	80.00% - 200.00%
Bar Code Height (Auto Scan)		24.00 mm	P	22.85 mm
Bar Code Height (Hand Scan)		24.00 mm	P	22.85 mm
Quiet Zones (Left)		4.00 mm	P	3.63 mm
(Right)		4.50 mm	P	2.31 mm
GTIN Check Digit		7	P	7
General Representation			P	
Validity of GS1 Company Prefix			P	
Other Compliance Issues			P	
Location	(2)	Not assessed		
Additional Test		General Comment		
Average Bar Gain		Acceptable		
ISO Parameters	Comment Reference	ISO Grade	Meets ISO Passing Grade	
Overall ISO Grade		4.0/06/660	P	
Decode		4.00	P	
Symbol Contrast		4.00	P	
Minimum Reflectance		4.00	P	
Edge Contrast		4.00	P	
Modulation		4.00	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				



Report No. AU30480953

Page 3 of 3

Minimum ISO Pass Grades - Bar Code	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 automated scanning 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. For GS1net User Types 1 & 2 all retail products are imaged upon request and are available for downloading via GS1net.

Important Notes:

- This report is valid 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 user community 28 days after the date of submission
- All samples will be disposed of within 7 days of report being issued
- The scan rate is an indication of how the barcode performed on one scanner. As various scanners decode bar codes in different ways, any short coming of a barcode may result in a varied level of performance across different scanners
- The correct allocation of the number is the responsibility of the owner
- Rejection of products should not necessarily be based only on an out of specification results
- This Bar Code 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. It is the responsibility of the member company to ensure the correct use of the GS1 Company Prefix
- GS1 Australia's barcode testing service uses ISO accredited verification equipment to assess the compliance to GS1 standards based on ISO/IEC15416. Should a dispute arise over any failed results from GS1's equipment, an internationally recognised and independent arbitrator can be utilised to gain an impartial ruling on the accuracy of the verification equipment. The cost of this will be incurred by the barcode testing customer upfront, 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).