



PSB Singapore

CERTIFICATE OF PACKAGING PERFORMANCE

UN Marking Certification Scheme

Certification Serial No.: UN 109961 0030 Rev. 00

Initial No.: UN 109961 0006 Rev.00

Test Report Ref: 7191329488-EEC24/07-NKH

Issue To: **Yung Hsin Contain Industry Co., Ltd.**
No. 22, Wen Hua Road,
Hsinchu Industrial Park,
Hu Kou Hsiang,
30352 Hsinchu Hsien,
TAIWAN

UN Packing Type Code: 3H1 Packing Group II (Y)

Description of Packaging: 10 Litres HDPE 10LAD Plastic Jerrican with non-
removeable head
Size of the Jerry can: drawing no: 3 11 21 0450 date:
15.02.2021 on page 05 of test report
7191329488-EEC24/07-NKH
Material: HDPE
Nominal Capacity: 10 litres
Weight of Jerry can: 0.7 kg
Measured Thickness: Top: 2.2mm, Body: 2.0mm,
Bottom: 2.3mm

Packaging of the design type described above may bear the following marking :



3H1/Y1.6/150/**
SGP/YHC 032



** To be replaced by last two
digits of the year of manufacture

Date of Original Issue: 2021-07-21

Date of Expiry: 2027-07-20

Page 1 of 2

Date of Last Revision: 2024-05-30

Revision:

(KHEE HENG HOW)
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It is certified that the samples of the design type described above have been tested in accordance with the provisions of the United Nations Recommendations on the Transport of Dangerous Goods (21st Revised Edition:2019) Chapter 6 and successfully met the criteria described in paragraphs 6.1.5.3 to 6.1.5.6 as shown below:

Test		Intensity
Drop Test to Clause	6.1.5.3	1.6m
Leakproofness Test to Clause	6.1.5.4	20kPa for 5 minutes
Internal Pressure (Hydraulic) Test to Clause	6.1.5.5	150kPa for 30 minutes
Stacking Test to Clause	6.1.5.6	28 days at 200kg

Page 2 of 2

Date of Last 2024-05-30

Revision:

(KHEE HENG HOW)
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Test Report No. 7191329488-EEC24/07-NKH
dated 17 May 2024



PSB Singapore

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SUBJECT:

Testing of 10 Litres HDPE 10LAD Plastic Jerrican submitted by YUNG HSIN CONTAIN INDUSTRY CO., LTD on 02 April 2024

TESTED FOR:

YUNG HSIN CONTAIN INDUSTRY CO., LTD
No. 22n Wen Hua Road, Hsinchu Industrial Park,
Hu Kou Hsiang, Hsinchu Hsien, Taiwan. 30352

Attn: Mr. Rajagopal Parthan

DATE OF TEST:

02 Apr 2024 – 08 May 2024

SAMPLE APPLICATION REFERENCE:

UN 109961 0006 Rev. 00

DESCRIPTION OF SAMPLE:

16 Jerry cans with the following descriptions were submitted for testing:

Manufacturer : YUNG HSIN CONTAIN INDUSTRY CO., LTD
Type of Jerrican : 10 Litres HDPE 10LAD Plastic Jerrican with non-removeable head
Size of the Jerrican : Refer to attached drawing no: 3 11 21 0450 date: 15.02.2021
Material : HDPE
Nominal Capacity : 10 litres
Brimful capacity : 11kg (with water)
Weight of Jerrican : 0.7 kg
Measured thickness : Top: 2.2mm, Body: 2.0mm, Bottom: 2.3mm
UN Code No : 3H1/Y1.6/150/**
Jerrican colour : White
Stamp emboss on Jerrican top : Nil
Stamp emboss on Jerrican body : Nil
Packing Group : II



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Singapore 609937
TUV®

METHOD OF TEST:

UN Recommendation for Transport of Dangerous Goods – Model Regulations(21st Revised Edition : 2019)

1. Drop test- Clause 6.1.5.3
2. Leakproofness test up to 0.2 bar - Clause 6.1.5.4
3. Internal pressure (hydraulic) test - Clause 6.1.5.5
4. Stacking test - Clause 6.1.5.6



Photo of test sample



TEST RESULTS:

Table 1: Drop Test

Sample Reference: INM 10 Litres Plastic Jerrican		
Type of Test	Results	Requirements
Drop Height*	1.6m	
Drop diagonally on the chime of the jerrican.	Passed	No sign of visible leakage observed.
	Passed	
	Passed	
Drop along longitudinal seam of the jerrican.	Passed	No sign of visible leakage observed.
	Passed	
	Passed	

Note: The test samples were condition at -18°C prior with antifreeze solution to test.

Table 2: Leakproofness Test

Sample Reference: INM 10 Litres Plastic Jerrican		
Type of Test	Results	Requirements
Internal air pressure (0.2 bar) or 20 kpa for 5 minutes.	Passed	No sign of visible leakage observed.
	Passed	
	Passed	

Table 3: Internal Pressure (Hydraulic) Test

Sample Reference: INM 10 Litres Plastic Jerrican		
Type of Test	Results	Requirements
Pressure test (1.5 bar) 150 kpa for 30 minutes	Passed	No sign of visible leakage observed.
	Passed	
	Passed	



TEST RESULTS (Continued):

Table 4: Stacking Test

Sample Reference: INM 10 Litres Plastic Jerrican		
Type of Test	Results	Requirements
Height of Jerrican	305mm	
Stacking test: (condition at temperature 40°C for 28 days at 200kg)	Passed	No sign of visible leakage and permanent damage observed.
	Passed	
	Passed	

CONCLUSION:

The Jerricans passed the requirements of UN Recommendation for Transport of Dangerous Goods clause 6 for packaging content density not exceeding 1.6



Ng Kian Hock
Testing Officer

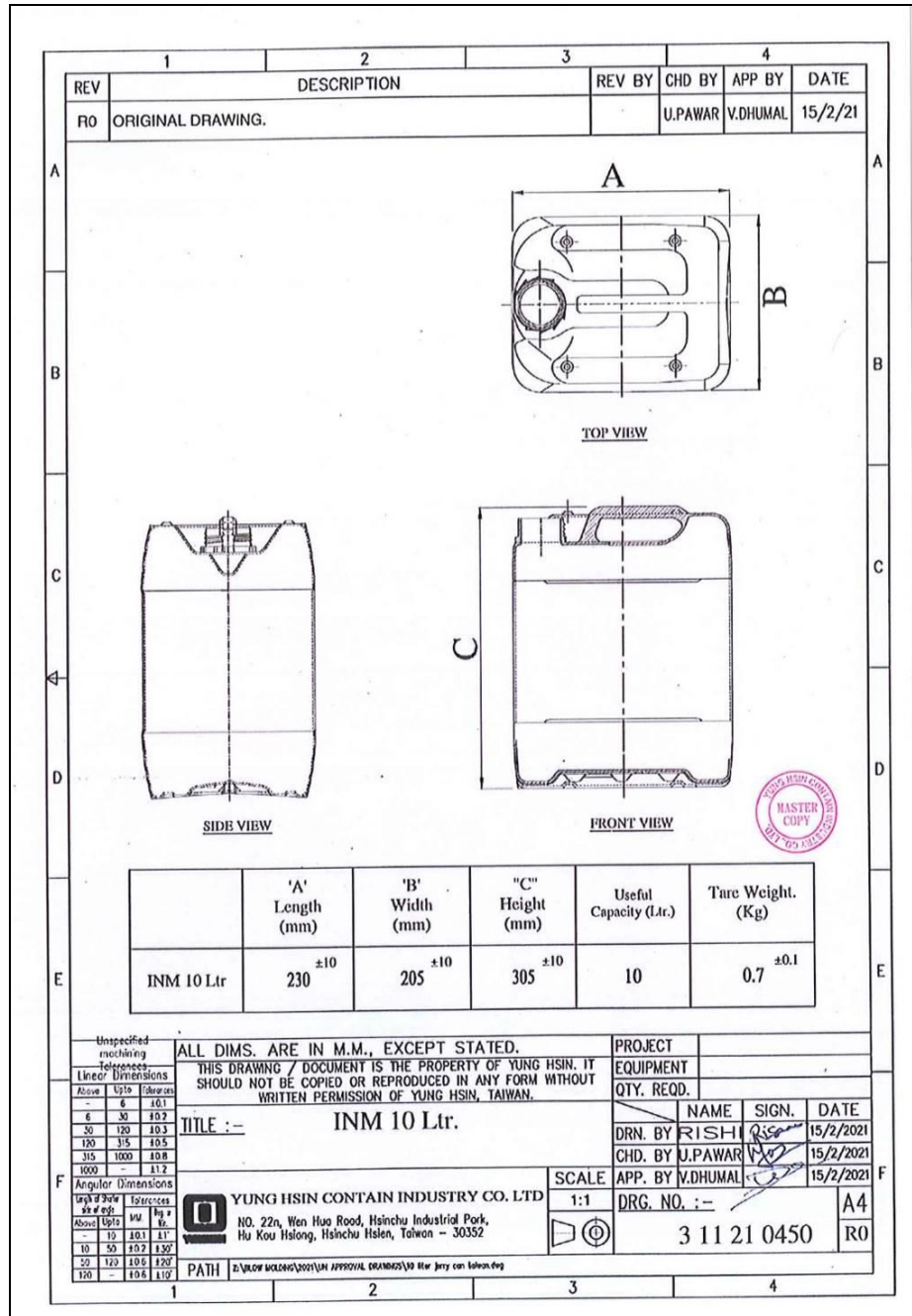


Teo Eng Hua Vincent
Product Manager
Product Service (EEC)

Test Report No. 7191329488-EEC24/07-NKH
dated 17 May 2024



PSB Singapore



Technical drawing of test sample

Test Report No. 7191329488-EEC24/07-NKH
dated 17 May 2024



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Effective 27 March 2024

