



भारतीय पैकेजिंग संस्थान
Indian Institute of Packaging

An autonomous body under the Ministry of Commerce & Industry, Govt. of India

UN CERTIFICATE

No. : 0060305 / 00487

Date: 22 July, 2020

This is to certify that the samples of the packages / packagings as per the following particulars have been tested in accordance with the provisions of the IMDG CODE, Volume - I for the transportation of the chemicals as specified in the Annexure and have been found to meet the prescribed criteria :-

Name & Address of the Applicant : M/S KAMDHENU PACKAGING
402, ORCHID GREEN, PLOT NO.13, SHREENAGAR SOCIETY,
NR. SHUBHECHHA HOSPITAL, AKOTA,
VADODARA- 390020, GUJARAT, INDIA.

Name of the Exporter : M/S. AMAR COLOUR CHEM INDIA

Application Reference : Covering Letter - 20 July, 2020

Description of the Package : Water resistant, HDPE Woven Bags with liner.
(Size: 26" X 40" for filling 25.0 kg product)

Date of Manufacture : 10 July, 2020

Quantity of the Package : 8 Nos.

Test Report No. : IIP-AHD/02/07-2021/288

UN Marking Allotted : 

Specification of UN Marking : Marking should be legible, durable and readily visible. The marking letters or symbols should have at least 6 mm height (upto 30 kg) or 12 mm height (above 30 kg)

This certificate is issued for the transportation of chemicals reflected in the annexure on the basis of the declaration given by the manufacturer regarding the product / package compatibility.

This certificate has been issued pursuant to the approval issued by **Directorate General of Shipping, Government of India**, and is *valid upto* 09 July, 2021

PROFESSOR / ADDITIONAL DIRECTOR / JT. DIRECTOR / DY. DIRECTOR.
MUMBAI / NEW DELHI / KOLKATA / CHENNAI / HYDERABAD

AHMEDABAD /

Testing laboratories are authorized by Directorate General of Shipping and Directorate General of Civil Aviation, Govt. of India and ISO / IEC 17025 accredited by NABL.

HEAD OFFICE

E-2, M.I.D.C. Area,
P.B. No. 9432, Andheri (E)
MUMBAI - 400 093
Phone : 22-2821 9603/9489
Fax : 022-28328178
labip@ip-in.com

IIP CENTERS

Plot 169, Indl. Estate,
Perungudi,
CHENNAI - 600 096
Phone : 044-2498 1560/0730
Fax : 044-2498 1077
ipchennai@ip-in.com

Block C.P.-10, Sector - V,
Salt Lake, Bishan Nagar,
KOLKATA - 700 091
Phone : 033-2367 0763/6016
Fax : 033-2367 9561
ipkolkata@ip-in.com

Plot No. 21, Functional Indl.
Estate, Opp. Patparganj Bus
Depot, NEW DELHI - 110 062
Phone : 011-2216 6703/4/5
Fax : 011-22169612
ipdelhi@ip-in.com

Lux - 3, Industrial Estate,
Sanath Nagar,
HYDERABAD - 500 018
Phone : 040-2381 4321
Fax : 040-2370 7148
iphyd@ip-in.com

ANNEXURE

Certificate Serial No: 0060305 / 00487

Test Report No.: IIP-AHD/02/07-2021/288

Packing Group: III

Date: 22 July, 2020

SR. NO	NAME OF THE CHEMICALS	UN NO.	PACKING INSTRUCTION	CLASS	SUB CLASS	MARINE POLLUTANT	EmS
1.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. • BASIC METHYL VIOLET • BASIC VIOLET 16 • BASIC CHRYSODINE	3077	P002	9	-	Yes	F-A, S-F
2.	FLAMMABLE LIQUID, N.O.S. • BASIC CRYSTAL VIOLET	1993	P001	3	-	Yes	F-E, S-E
3.	ACETIC ACID SOLUTION, more than 10% and less than 50% acid, by mass • BASIC MALACHITE GREEN	2790	P001	8	-	Yes	F-A, S-B
4.	TOXIC SOLID, ORGANIC, N.O.S. • BASIC AURAMINE	2811	P002	6.1	-	Yes	F-A, S-A
5.	TOXIC LIQUID, ORGANIC, N.O.S. • BASIC ETHYL AURAMINE	2810	P001	6.1	-	-Yes	F-A, S-A

General Remarks:

The report / Annexure does not include the compatibility studies.

The chemicals listed in the Annexure are as declared by the exporter/package manufacturer.

Dr. AMIT SINGLA

Joint Director & Centre Head
Indian Institute of Packaging
CFC Building, GIDC Apparel Park,
Khokhra, Ahmedabad - 380021, Gujarat

LABORATORY TEST REPORT

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Sample Received From: M/S KAMDHENU PACKAGING 402, ORCHID GREEN, PLOT NO.13, SHREENAGAR SOCIETY, NR. SHUBHECHHA HOSPITAL, AKOTA, VADODARA- 390020, GUJARAT, INDIA.	Test Report No	IIP-AHD/02/07-2021/288
	Date	22 July 2020
	Customer Ref. No./Date	FF-04/ 20 July 2020
	Sample Registration Date	20 July 2020
	Certificate Sr. No. (s)	0060305 / 00487
	Sampling Plan	Sampling done by the party
Sample Description: One set (8 nos.) of water resistance, HDPE woven bags with LDPE liner having Size 26" X 40". The bags were said to be used for packing of chemicals reflected in the certificate mentioned above. For testing purpose each woven bag was filled with 25.0 kg net weight of equivalent density of dummy material. The open end of the woven bag was closed by machine stitching. Dimensions of the woven bag (length x width) : 1016 mm X 660 mm Gross weight : 26.0 kg (Sampling done by the party. Total 8 Nos. of bags were brought at the institute.)		

Test Results/Observation

Test done as per: IMDG – CODE, VOLUME I (Amendment 39-18)

Test	Observation
1 Drop Test (Drop height: 0.80 m.) Total 03 drops were performed on each bag (3 Samples). First Drop: Flat on a wide face. Second Drop: Flat on a narrow face. Third Drop: On the end of the bag.	No damage to the HDPE woven bags was observed Entire content of the dummy material was retained inside the woven bag.

Conclusion: PASSES THE TEST

Contd...

TESTED BY *ABT*

This report is for Private use only, Not to be used for Publicity or Litigation

[Signature]
ASST./DY. DIRECTOR

[Signature]
Dr. AMIT SINGLA
Joint Director & Centre Head
AUTHORISED SIGNATORY

Testing Laboratories of IIP, Ahmedabad are certified by IS/ISO 9001:2015 from BIS, ISO/IEC 17025:2017 from NABL for specified Tests & also Approved by Directorate General of Shipping, Govt. of India

LABORATORY TEST REPORT

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Test Results / Observations

1. Average denier of the HDPE tape with coating	:	740.00
2. Average breaking load (kgf/50mm width) - Warp	:	59.61
3. Average breaking load (kgf/50mm width) - Weft	:	48.30
4. Average seam strength (kgf) - Bottom	:	32.20
5. Average number of stitches per 100 mm	:	12.00
6. Mesh of the woven bag	:	10 X 10
7. Minimum thickness of the liner (micron)	:	50.00
8. Minimum length of the liner (mm)	:	1140.00
9. Minimum width of the liner (mm)	:	690.00
10. Minimum length of the woven bag from stitching (mm)	:	1000.00
11. Minimum width of the woven bag (mm)	:	660.00
12. Average weight of the empty bag including liner (gm)	:	198.00

General Remarks

1. The report / Annexure does not include the compatibility studies.
2. Sample done and submitted by the party.
3. The sample description provided in the report is based on the declaration by the party.
4. This report pertains to the submitted samples only.

-----End of Test Report-----

TESTED BY *ABT*

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[Signature]
ASST./DY. DIRECTOR

[Signature]
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