PRODUCT APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET2005A

HOLDER OF CERTIFICATE:
Mauser-Noreko AS

2026 kg max

MANUFACTURER: Mauser-Noreko AS, Årvollskogen 80, NO 1529 Moss, Norway

MARKING ON PACKAGING:
Each IBC intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high. The IBC shall also be appropriately marked in accordance with ADR 6.5.2.2 Additional marking.
The inner receptacles shall be identified by the application of the marks indicated in ADR 6.5.2.1.1 b) - f). The UN packaging symbol shall not be applied.
For this Cross bottling IBC, the inner receptacle shall be marked: 31HA1/Y/D/BAM 11027-M09.

31HA1/Y/MMYY
N/NET2005A - ID
4070/2026

(un)	: The United Nations symbol
31HA1	: Composite IBCs with a rigid plastics inner receptacle, for liquids
Y	: Packaging group II and III
MMYY	: To be replaced with the month and year, last two digits, of manufacturer
N	: Norway, the state authorizing the allocation of the mark
NET2005A - ID	: Identification of the IBC followed by "ID" to be replaced by the name or symbol of the manufacturer
4070	: The stacking load in kg
2026	: The maximum permissible gross mass in kg

PRODUCT:

Description	Method of manufacture
Cross bottling IBC with rigid plastics inner receptacle performed by Mauser and outer casing of steel performed by Mauser	Blow moulded plastic receptacle

NET Emballasje- og Produkttesting AS
Blekebakkvegen 45
N-3950 Brevik
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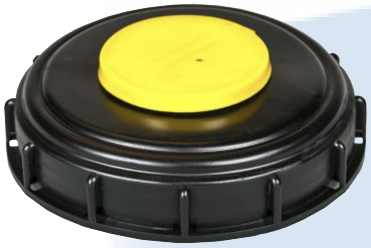
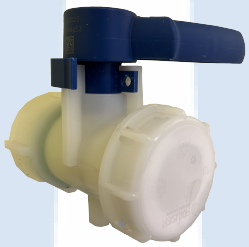
Web: www.net17025.com
VAT No.: 990 793 840
Bank account: 6250.05.22351
GPS: 59°03'25'' N 9°40'70'' E

DIMENSIONS:

Capacity, l	Tara weight, kg	L*W*H, mm	Min. thickness, mm
1055, wood pallet	58.0	1200*1000*1174	1.4
1055, plastic pallet	53.7	1200*1000*1180	1.4
1055, hybrid pallet	52.9	1200*1000*1151	1.4

CLOSING MECHANISM:

#: Closure type	Description	Drawing	Material
Screw cap #1	150 mm	A 5030	HDPE
Screw cap #2	150 mm, vented	A 5769.1	HDPE
Valve #1	2" butterfly DN50 CCS 60*6	A 4436.2	HDPE

INNER PACKAGING/ACCESSORIES:

Type	Description	Drawing	Material
Inner receptacle Ø150	Blow moulded	Q 4366.22	HDPE
Outer casing	Galvanized pipe section. Lattice-type basket screwed onto a pallet	A 5072.4	Steel
Corner protection	Black sheets of plastic	A 5198.3	HDPE
Wood pallet	Board, plank	A 4393.11	Wood
Plastic pallet	Blow moulded/Welded	A 4455.12	HDPE
Hybrid pallet	Combi	A 5297.4	Plastic/Steel

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LEGISLATION:
The certificate is valid for a maximum of five years, provided no modifications have been made to the packaging design, materials, dimensions, closure system or manner of construction. To ensure validation of the certificate, check the NET website.
NET issues the certification on described product according to delegated authority from Norwegian Directorate for Civil Protection and Emergency Planning (DSB): Legal regulations for Transportation of Dangerous Goods on road and railway - 06/6950-7/BJRU.
NET issues the certification on described product according to delegated authority from Norwegian Maritime Directorate (Sjøfartsdirektoratet) - 200705977-4/5367.1.
NET issues the certification on described product according to an agreement between Norwegian Civil Aviation Authority (Luftfartstilsynet) - 01.03.18 - 18/00114-8.

REGULATIONS BASED UPON FOR APPROVAL:
UN Recommendations on the Transport of Dangerous Goods.
ADR, European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID, International Regulations on Transport of Dangerous Goods by Rail.
IMDG, International Maritime Dangerous Goods Code, for sea transport.
ICAO, Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IATA, Dangerous Goods Regulations, for the air transport.

TESTS CARRIED OUT:
Prototype tests performed and approved according to the above regulations:
6.5.6.4 Bottom lift test
6.5.6.6 Stacking test
6.5.6.7 Leakprooness test
6.5.6.8 Internal pressure test
6.5.6.9 Drop test
6.5.6.13 Vibration test

APPROVAL IS VALID FOR:
Transport of liquids in this IBC is allowed as long as a conventional pressure relief device is mounted. The start-to-discharge pressure shall not be higher than 65 kPa and not lower than the total gauge pressure experienced in the IBC. The IBC shall always be used according to the requirement of the applicable UN-code and its packaging instruction.
The packaging is valid for packaging group II and III containing liquid substances covered by the liquids listed in the table below. The liquids marked with letter A - F are referring to standard liquids listed in ADR 6.1.6.1 and verified by chemical compatibility testing, ADR 6.1.5.2.6, to this specific liquid.
The dangerous substances allowed to transport in the packaging after chemical compatibility with these liquids, are listed in the "Assimilation list" table 4.1.1.21.6 in ADR.
The packaging shall always be used according to the requirements of the applicable UN-code and its packaging instructions.

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Screw cap
Standard liquid A: Wetting Solution	1.6	114	1 and 2
Standard liquid B: Acetic Acid	1.6	114	1 and 2
Standard liquid C: n-Butyl acetate	1.6	114	1 and 2
Standard liquid D: Mixture of hydrocarbons	1.6	114	1 and 2
Standard liquid E: Nitric Acid	1.5	114	1 and 2
Standard liquid F: Water	1.9	114	1 and 2

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DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET2005AZ	21.11.2022	NET	Type approval

VALIDITY:
The continued validity of the type approval requires that the holder of the certificate and/ or the manufacturer inform NET certification that has approved its type of packaging of any changes to the characteristics of the type or anything that can influence on the transport safety on the specific design so that it can be verified that the type of packaging continues to comply with packaging tested as base for the original type approval.
The validity of the type approval assume regular verification by means of periodic audits by NET in accordance with NET Doc 2: "Production control agreement". The packaging shall be manufactured, reconditioned and tested under a quality assurance program which satisfies NET Certification, in order to ensure that each packaging meets the requirements in ADR and the guidelines in ISO 16106.

TEST STANDARD:
All tests are performed in accordance with NET accredited test method ATM001. The test method is accredited in accordance with ISO17025 approved by Norsk Akkreditering and based upon ISO16495 and ISO13274.

NORSK AKKREDITERING TEST 259

BREVIK, NORWAY **22.11.2022** CERTIFICATE IS VALID UNTIL: **30.11.2027**

Mathias Werner
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

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