

**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET16102A**

HOLDER OF CERTIFICATE:
Mauser-Noreko AB

2038 kg max

MANUFACTURER: Mauser-Noreko AB, Fabriksvägen 3, SE 446 37 Älvängen, Sweden



MARKING ON PACKAGING:

Each IBC intended for use under ADR regulations shall bear markings that are durable, legible, and placed in a location where they are easily visible. The letters, numerals, and symbols shall be at least 12 mm high. The IBC shall also be marked in accordance with ADR 6.5.2.2 (Additional marking) and shall display the maximum permitted stacking load as per ADR 6.5.2.2.2.1 (as shown in the figure to the right). 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 11501-M12, alternatively to M12, it can also be embossed M1, M8, M9 or M11.

 **31HA1/Y/MMYY/N**
NET16102A - ID/3670/2033

-  : 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
- NET16101A - ID : Identification of the IBC followed by "ID" to be replaced by the name or symbol of the manufacturer
- 3670 : The stacking load in kg
- 2033 : The maximum permissible gross mass in kg

PRODUCT:

Description
Cross bottling composite IBC with blow-moulded HDPE inner receptacle by Mauser and steel outer casing by Schütz

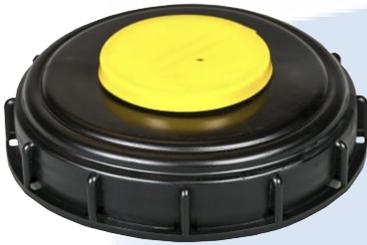


DIMENSIONS:

Capacity, l	Tara weight, kg	L*W*H, mm	Min. thickness, mm
1055, wood/ steel pallet	67.7	1200*1000*1166	1.4
1055, steel pallet	57.5	1200*1000*1158	1.4
1055, hybrid pallet	60.6	1200*1000*1159	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
Mauser inner receptacle Ø150	Blow moulded	Q 4366.22	HDPE
Schütz outer casing	Galvanized pipe section. Lattice-type basket screwed onto a pallet	A 4688.2	Steel
Corner protection	Black sheets of plastic	A 5198.1	HDPE
Wood/ steel pallet	Board, plank	A 4683.3	Wood/ steel
Steel pallet	Welded	A 4683.3	Steel
Hybrid pallet	Combi	A 4685.2	Plastic/Steel



LEGISLATION:

NET issues this certification pursuant to delegated authority from the Norwegian Directorate for Civil Protection (DSB), in accordance with the Regulation of 1 April 2009 No. 384 on the land transport of dangerous goods, Chapter 6a (ref. 2023/4375 PRAX). NET is designated as the competent body for allocation of the UN mark on packagings, including IBCs and large packagings, as published by the United Nations (UNECE) list of competent authorities.

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 Leakproofness 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.

Prior to reuse, all UN-approved packagings intended for the transport of dangerous goods shall be inspected to confirm that they remain free from damage, corrosion, and contamination. Compliance with the original ADR type approval, including all applicable prototype test performance criteria, must be ensured.

Packagings showing any sign of reduced mechanical integrity shall be subject to reconditioning, repair, or permanent withdrawal from service. All functional components - including closures, gaskets, and valves - must remain intact and fully operational to ensure continued conformity.

Packagings that no longer fulfil these requirements shall not be reused for the transport of dangerous goods, in accordance with ADR 4.1.1.9.

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Screw cap
Standard liquid A: Wetting Solution	1.5	114	1 and 2
Standard liquid B: Acetic Acid	1.5	114	1 and 2

Standard liquid C: n-Butyl acetate	1.5	114	1 and 2
Standard liquid D: Mixture of hydrocarbons	1.5	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

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
16102AZ	21.11.2022	NET	Type approval

VALIDITY:

This approval is valid for five (5) years, provided no modifications are made to the packaging design, materials, dimensions, closure system, or method of construction.

The certificate may be withdrawn at any time.

The published version on www.net17025.com/Sertifisering/UN_ADR/cid/30758/ shall always be considered the valid one.

The certificate holder/manufacturer must notify NET Certification of any changes that may influence transport safety.

Continued validity requires 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 programme meeting ADR requirements and guidelines in NS-EN ISO 16106:2020.

TEST STANDARD:

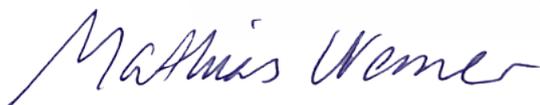
All tests are performed in accordance with NET accredited test method ATM001.

The test method is accredited in accordance with NS-EN ISO/IEC 17025:2017 approved by Norsk Akkreditering and according to NS-EN ISO 16495:2022 and NS-EN ISO 13274:2013.



BREVIK, NORWAY

04.11.2025 CERTIFICATE IS VALID UNTIL:

30.11.2027


 Mathias Werner
 Certification Officer



 Rune Madsen Fink
 Control Officer

Nordisk Emballasje Testing Certification