

**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET4402A**

HOLDER OF CERTIFICATE:
Schütz Nordic AS

1650 kg max

MANUFACTURER:

Paketo Recycling Oy, Kisällintie 7, 04500 Kellokoski,
Finland




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, and shall be marked with maximum permitted stacking load according to ADR 6.5.2.2.2.1 (as shown in figure to right). For this remanufactured IBC, the inner receptacle shall be marked:

31HA1/Y/MMYY/D/BAM 14822*14976*14978*14979-SCHÜTZ 8, ADR 6.5.2.1.1 b) - f).
The period of use permitted for the carriage of dangerous substances shall be five years from the date of manufacture of the inner receptacle, except where a shorter period of use is prescribed because of the nature of the substance to be carried.

 **31HA1/Y/MMYY/N/NET4402A/4056/1722**

-  : 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
- NET4402A : Identification of the IBC, specifies the customer (44), construction type (05), and material (A)
- 4056 : The stacking load in kg
- 1722 : The maximum permissible gross mass in kg

PRODUCT:

| Description |
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| A remanufactured IBC with HDPE inner receptacle performed by Schütz Nordic AS, other parts according to BAM 14976. The IBC has a threaded top opening for filling, and a bottom valve for easy draining. |



DIMENSIONS:

| IBC | Tara weight/ inner receptacle, kg | Volume, l | L*W*H, mm |
|----------------|-----------------------------------|-----------|----------------|
| MX/RMX 1000 GG | 14.5 | 1060 | 1200*1000*1160 |

CLOSING MECHANISM:

| Drawing | Date | Description | Torque, Nm |
|--|------------|--|------------|
| 3-127934 | 15.02.2019 | Screw cap DN150 G2" VENT assembly with mushroom vent | 75 |
| 3-128096 | 21.02.2019 | Screw cap DN150 G2" closed + SC assembly with seal cap | 75 |
| 3-5832-c | 05.12.2007 | Screw cap DN150 GG assembly with G2" breather and pressure relief valve | 75 |
| 3-127772-A | 12.03.2019 | Screw cap DN150 G2" ET38 assembly with PTFE-laminated press part | 75 |
| 3-127800 | 13.02.2019 | Screw cap DN150 G2" ET15 assembly with press part | 75 |
| 3-3379.1-c | 06.09.2005 | Screw cap DN95 for IBC inliner | 75 |
| 3-23932 | 20.09.2006 | Screw cap DN150-BCS56x4 groove assembly group | 75 |
| 3-23942-D | 05.09.2013 | Screw cap DN150 G2" assembly with plug G2" ventilation | 75 |
| 3-23948-B | 21.02.2019 | Screw cap DN150 closed assembly with O-ring | 75 |
| 3-70076-A | 21.10.2013 | Screw cap DN150 G2" 2X assembly | 75 |
| 3-75116-D | 11.04.2017 | Screw cap DN150 EX ET38 assembly with press part | 75 |
| 3-115074 | 31.01.2018 | Screw cap DN150 G2" with AL-plug closed | 75 |
| A DE-731.1-3 Index 5 Blatt 1 / Schütz Ablage-Nr.:3-10422 | 09.09.2002 | Screw cover 160x7 with G2" internal thread | - |

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|------------------|------------|--|-----|
| 3-68294-B | 08.12.2015 | Screw cap DN225 UN open assembly with plug G2" | 105 |
| Art.-No. 2041910 | 04.11.2015 | Valve Specification Dry-break valve and dip-tube assembly for use with SCHÜTZ IBCs | - |
| VALV002 | 01.07.2011 | Valve Spedfication Dry-breakvalve | - |
| 4-30355-C | 09.11.2016 | Ball valve DN50 camlok 2" assembly screwable with cone | - |
| 4-122696-A | 20.07.2021 | Ball valve 50 INT S60x6 AS handle securedip | - |
| 4-131526 | 17.06.2019 | Ball valve DN50 INT S60x6 handle secure screw/clip | - |
| 4-27482-C | 18.10.2017 | Butterfly valve DN50 camlok 2" assembly screwable with cone | - |
| 4-27820 | 02.07.2007 | Butterfly valve DN50 camlok 2" assembly integratedwelded | - |
| 4-110966-E | 06.04.2020 | Butterfly valve DN50 CON 2"CAM AS2 with seafty pin | - |
| 4-106027-E | 06.04.2020 | Butterfly valve DN50 INT 2"CAM AS2 with seafty pin | - |
| 4-27242-F | 09.11.2016 | Ball valve DN50 S60x6 screwable with cone | - |
| 4-104724 | 08.02.2017 | Butterfly valve DN50 conus S60x6 ass. blowmoulded thread S75x6 | - |
| 4-26750-F | 24.11.2015 | Butterfly valve S60x6 screwable with cone | - |
| 4-109260-F | 06.04.2020 | Butterfly valve DN50 CON S60x6 AS2 with seafty pin | - |
| 4-27556-D | 17.11.2008 | Butterfly valve S60x6weldable | - |
| 4-106031-G | 06.04.2020 | Butterfly valve DN50 INT S60x6 AS2 with seaftypin | - |

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|------------|------------|--|-----|
| 4-110950-E | 06.04.2020 | Butterfly valve DN50 INT 2"NPS AS2 with seafy pin | - |
| 3-31918-A | 04.04.2008 | Butterfly valve DN80 screwable | - |
| 3-096037-A | 02.08.2017 | Butterfly valve DN80 screwable / PP-gasket | - |
| 3-32757-J | 16.07.2018 | Butterfly valve DN80 ass integrated weldable | - |
| 3-42996-G | 03.03.2016 | Check valve assembly one way valve for IBC discharge | - |
| 3-68296-E | 08.12.2015 | Screw cap DN225 UN closed assembly closed | 105 |

INNER PACKAGING/ACCESSORIES:

| Drawing | Date | Description |
|------------|------------|--|
| 3-85581-A | 14.01.2016 | MX1000 article drawing MX+RMX / Ex a./o. EVOH / w/wo corner protector |
| 2-42899-E | 17.04.2020 | Inner receptacle IBC 1000 STD MX, LX, and SX |
| 2-60620-A | 28.09.2015 | Inner receptacle MX 1000 HV |
| 2-3760-b | 15.12.2006 | Inner receptacle MX 1000 Top discharge V2 various spout threads and valve types |
| 2-42942-B | 15.11.2013 | Inner receptacle MX 1000 with top discharge symmetric |
| 2-51513-A | 15.11.2013 | Inner receptacle MX 1000 with top discharge asymmetric |
| 3-3174.1 | 09.06.1999 | Inner receptacle for IBC 1000 liter, with fill port DN95 |
| 2-61713-E | 23.12.2019 | Grid tube mat MX1000 V2. 2 asymmetrical plain mat |
| 3-40371-D | 16.12.2013 | Tie bar Version 1.2 - oval for IBC |
| 3-143616-A | 05.10.2021 | Tie bar Version 1.3 - bowl for IBC |
| 3-8821-a | 18.02.2004 | Composite pallet LX-C/MX wood nesting, assembly |
| 3-64974-D | 16.07.2021 | Steel frame pallet MX 1000x1200 assembly with base tube V2 |
| 3-49076-A | 15.11.2010 | Steel skid pallet 1000x1200 assembly for IBC |
| 3-66456-B | 17.10.2018 | Steel skid pallet 1000x1200 MF2+EF4 with middle foot Vers. 2 and corner foot Vers. 4 |

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| 2-37960-A | 05.01.2017 | Plastic frame pallet MX assembly outside skids, cross skids and reinforcement bridge |
| 3-52529-E | 27.06.2018 | Plastic skid pallet MX assembly skids + center bridge |
| 3-120813 | 27.06.2018 | Plastic skid pallet MX assembly skids V3.3 + center bridge |
| 3-4159 f | 07.11.1997 | Skid pallet MX basis 1000 x 1200 antislip, Version 2 |
| 3-70986 | 27.09.2013 | MX wood skid pallet standard nestable base 1000x1200, fork opening height 95 mm |
| 3-21195-C | 24.08.2017 | MX EURO-skid pallet stackable base 1000 x 1200 |
| 3-21205-D | 24.08.2017 | MX EURO-skid pallet nestable base 1000 x 1200 |
| 3-5206 a | 29.01.1996 | Wood frame pallet MX basis 1000 x 1200, fork opening height 95 mm |
| 3-51667-E | 04.09.2014 | Bottom plate MX1000 V3.2 center flange rounded |
| 3-31367-F | 02.02.2011 | Bottom plate MX 1000 V3 for 820 / 1000 / 1250 liter |
| 3-50930-H | 20.02.2015 | Plastic bottom plate MX 1000x1200 V2 |
| 3-88509-c | 21.12.2020 | SW-Mixer assembly MX640/MX1000/HX1000/MX1250 & SK225/SK150 |
| 4-151663 | 08.03.2021 | Plug G2" ALCCFC closed asb. automatic lock |
| 3-8765-a | 09.01.2004 | Plug G2" (open) assembly air-flow Variation: GÖRE and VENTIX |
| A SP-531.2-4 Index c Blatt 2/Schütz Ablage-Nr.: 4-7990 | 06.11.2003 | Plug G2" |
| 743-008U02 | 07.11.2000 | RS-DV2"B5P, Viton, 3PIN |
| 3-8175 | 02.10.2002 | Shipping plug and drum insert |
| DT-G2"-PE-XXX-1030-S | 24.02.2012 | DipTube G2"-PE-1030-S |
| DT3-62PP-XXX-1030-TF | 29.05.2019 | AS fluid technology immersion tube QC3 S62 x 5 |
| DQPR02056X4XXX | 11.08.2006 | CPC DRUM INSERT BC556X4 |

LEGISLATION:

The approval 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. This certificate is liable to withdrawal at any time, to ensure validation check the published version on the Internet (www.net17025.com/Sertifisering/UN_ADR/cid/30758/).

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 - 2023/4375 PRAX.

NET issues the certification on described product according to delegated authority from Norwegian Maritime Directorate (Sjøfartsdirektoratet) - 200705977-4/5367.1.

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.

TESTS CARRIED OUT:

The following test are performed and approved according to ADR:

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.

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

DOCUMENTS BASED UPON FOR APPROVAL:

| Report id. | Date | Issued by | Scope |
|------------|------------|-----------|---------------|
| NET4401AZ | 11.11.2024 | 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 NS-EN ISO 16106:2020.

BREVIK, NORWAY

07.02.2024 CERTIFICATE IS VALID UNTIL:**28.02.2030**

Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification