

TYPE APPROVAL OF PACKAGING FOR TRANSPORTATION OF DANGEROUS GOODS CERTIFICATE NO.: NET11604A

HOLDER OF CERTIFICATE:

ALOREM SAS
1424 kg max
MANUFACTURER:

ALOREM SAS, 350 Route de Thil, 01700 Beynost, France

MARKING ON PACKAGING:

Each packaging 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).


31A/Y/MMYY/N/NET11604A - ID/2564/1424

| | |
|----------------|---|
| 31A | : The United Nations symbol |
| Y | : Steel IBCs for liquids |
| MMYY | : Packaging group II and III |
| N | : To be replaced with the month and year (last two digits) of manufacture |
| NET11604A - ID | : Norway, the state authorizing the allocation of the mark |
| 2564 | : Identification of the IBC followed by "ID" to be replaced by the name or symbol of the manufacturer |
| 1424 | : The stacking test load in kg |
| | : The maximum permissible gross mass in kg |

PRODUCT:

| Description/ Method of manufacture | Material |
|--|------------------------------|
| Compact welded Eco Transport Tank for fuel | EN 10025-2 Galvanized S235JR |


DIMENSIONS:

| Capacity, l | External dimensions: L*W*H, mm | Head / Body / Bottom, mm | Drawing |
|-------------|-----------------------------------|-----------------------------|-----------------------------------|
| 973 | 1220*1120*1290 | 3.0/ 3.0/ 3.0 | CUVE DE TRANSPORT ECO - 1000 L |

MAXIMUM DEGREE OF FILLING IN LITER AT 15 °C, SHALL BE:

| Initial boiling point in °C | < 60 | >= 60 < 100 | >= 100 < 200 | >= 200 < 300 | >= 300 |
|-----------------------------|------|-------------|--------------|--------------|--------|
| Degree of filling in liter | 876 | 895 | 915 | 934 | 954 |

CLOSING MECHANISM:

| #: Closure type | Producer | Drawings | Material | Gasket | Torque, Nm |
|----------------------------|------------|--------------|------------------|------------|------------|
| Main cap | Mintor | Buochon G3-F | S235 | G p Rubber | 55 |
| Bung | Goshe | - | Steel | - | - |
| Top gasket | Gumo plast | - | Rubber | G p Rubber | - |
| Plug 3" | BIS | - | Galvanized steel | - | - |
| Plug 2" | BIS | - | Galvanized steel | - | - |
| Plug 1 1/4" | BIS | - | Galvanized steel | - | - |
| Plug 1" | Gebo | - | Galvanized steel | - | - |
| Valve 3/4" | - | - | Brass | - | - |
| Anti syphon valve 1" | - | - | Brass | - | - |
| Push Pull connector M 3/8" | - | - | Steel | - | - |
| Push Pull connector F 3/8" | - | - | Steel | - | - |
| Push Pull connector M 1/2" | - | - | Steel | - | - |
| Push Pull connector F1/2" | - | - | Steel | - | - |
| Push Pull connector M 3/4" | - | - | Steel | - | - |
| Push Pull connector F3/4" | - | - | Steel | - | - |
| Manhole cover | ALOREM | RFEC10-030 | Galvanized steel | G p Rubber | 70 |

ACCESSORIES:

| Type | Description/ Drawing | Producer |
|------------------|---|------------------|
| Electric pump | Panther 56 | Piusi |
| Electric pump | Panther 72 | Piusi |
| Electric pump | Panther 90 | Piusi |
| Electric pump | Carry 3000 12V | Piusi |
| Electric pump | Carry 3000 24V | Piusi |
| Electric pump | Panther 12/ 24V | Piusi |
| Electric pump | E80M | Piusi |
| Electric pump | Bipumpe 12V | Piusi |
| Electric pump | Bipumpe 24V | Piusi |
| Electric pump | SuzzaraBlue 12V | Piusi |
| Electric pump | SuzzaraBlue 24V | Piusi |
| Electric pump | SuzzaraBlue 230V | Piusi |
| Manual pump | JAP0 | Japy |
| Manual pump | JAP1 | Japy |
| Manual pump | JAP2 | Japy |
| Manual pump | Manual pump | Piusi |
| Level indicator | Magnetic liquid-level gauge | Rochester Gauges |
| Level indicator | OCIO | Piusi |
| Level indicator | Lorawan | Tekelek |
| Automatic nozzle | A60 | Piusi |
| Automatic nozzle | A120 | Piusi |
| Automatic nozzle | A280 | Piusi |
| Automatic nozzle | SuzzaraBlue nozzle | Piusi |
| Manual nozzle | SuzzaraBlue nozzle | Piusi |
| Manual nozzle | S3000 | Piusi |
| Filter | WCF70 | Piusi |
| Flow meter | K24 | Piusi |
| Flow meter | K33 | Piusi |
| Breather cap | Breather plug with double valve tilt-function | Mintor S.r.l. |
| Hose reel | DN19 - DN25 | OMPI |
| Hose | VACU | Flex |
| Hose | 1SN | Flex |
| Bund alarm | DF02 | Afriso |
| Bund alarm | DFAF220 | Afriso |

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:

Prototype tests performed and approved according to the above regulations:

6.5.6.4 Bottom lift test

6.5.6.5 Top lift test: WLL 356 kg, all 4 padeyes shall be used when lifting the IBC

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

NTI012 - «DIBT test» - drop test followed by a pressure test, designed at the customer's request

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.

| Content | Max. relative density | Tare weight, kg | Pressure test, kPa |
|---------|-----------------------|-----------------|--------------------|
| Liquids | 1.0 | 451 | 200 |

DOCUMENTS BASED UPON FOR APPROVAL:

| Report id. | Date | Issued by | Scope |
|------------|------------|-----------|----------------------|
| NET11604A | 29.01.2025 | NET | Type approval |
| NTI012 v1 | 30.01.2025 | NET | Additional type test |

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.

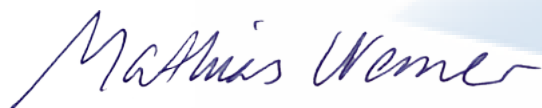
The validity of the type approval assume regular verification by means of periodic audits by NET in accordance with NET Doc 2: "Production control agreement". The packaging shall be manufactured, reconditioned and tested under a quality assurance program which satisfies NET Certification, in order to ensure that each packaging meets the requirements in ADR and the guidelines in NS-EN ISO 16106:2020.

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.



BREVIK, NORWAY

12.03.2025 CERTIFICATE IS VALID UNTIL:**31.03.2030**

Mathias Werner
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification