



**PRODUCT APPROVAL OF PACKAGING  
FOR TRANSPORTATION OF DANGEROUS GOODS  
CERTIFICATE NO.: NET11603A**

HOLDER OF CERTIFICATE:  
**ALOREM SAS**

**1416 kg max**

**MANUFACTURER:** ALOREM SAS, 350 Route de Thil - 01700 Beynost, France

**MARKING ON PACKAGING:**  **31A/Y/MMY/N/NET11603A - ID/2550/KG**

"MMYY" to be replaced with the month and year (last two digits) of manufacture.

"ID" to be replaced by the name or symbol of the manufacturer.

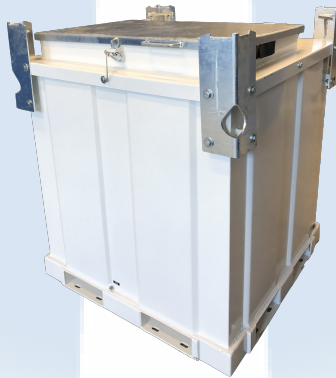
"KG1" to be replaced by Max. gross weight in kg from table on page 3.

The packaging shall also be appropriately marked in accordance with ADR 6.5.2.2.



**PRODUCT:**

Packaging code	Description	Material
31A	Steel IBCs for liquids	Steel 3 mm ADR 6.5.5.1.5



**DIMENSIONS:**

IBC#: Capacity, l	Length, mm	Width, mm	Height, mm	Drawing
1: 924	1140	1150	1331	RF-E-10-000
2: 710	1140	1150	1122	RF-E-07-000
3: 450	1140	1150	882	RF-E-04-000

**CLOSING MECHANISM:**

Closure type	Producer	Drawings	Material	Gasket	Torque
Main cap	Mintor S.r.l.	Bouchon G3-F avec bras	S235	Guro plast Rubber	55

**ACCESSORIES:**

Type	Description / Drawing	Producer
Level indicator	Magnetic liquid-level gauge	Rochester Gauges
Breather cap	Breather plug with double valve tilt-function, 87.5 mm	Mintor S.r.l.
Manhole cover	With Gumo plast Rubber gasket, and 14 steel bolts	ALOREM SAS
Blind plugg	30.4 mm, 1 pc	-
Blind plugg	38.8 mm, 2 pc	-
Breath inn	38.8 mm, 1 pc	-
Breath out	38.8 mm, 2 pc	-


**APPROVAL:**

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.

**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.

ADN, European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

The UN certification mark intended for the classification of packaging and the marking of dangerous goods is an international system for ensuring safe transport by road, rail, sea and air.

All types of transport with UN-approved packages must comply with the actual regulations regarding handling according to ADR, RID, IMDG, ADN or DGR.

Package testing must be performed before a UN certification mark can be issued. This document proves that the packaging has met or exceeded the minimum performance requirement according to the ADR regulations and allows transport of the packaging, as long as the packaging instructions for the correct mode of transport are followed.

**APPROVAL IS VALID FOR:**

The IBC is valid for packaging group II and III containing liquid that do not adversely affect the packaging materials. The IBC shall always be used according to the requirements of the applicable UN-code and its packaging instructions. The maximum degree of filling are listed as volume in liter for the three different sizes of the IBC (98% of brimful at 15 °C). The degree of filling according to the boiling point of liquid is to be found in ADR 4.1.1.4 a).

The following test are performed and approved: Top lift test, bottom lift test, stacking test, drop test, leakproofness test, internal pressure test and vibration test.

IBC#: Content	Max. relative density	KG, Max. gross weight / Tare weight, kg	Max degree of filling, l	Pressure test, kPa
1: Liquids	1.0	1387 / 482	905	200
2: Liquids	1.0	1145 / 450	695	200
3: Liquids	1.0	838 / 397	441	200

**DOCUMENTS BASED UPON FOR APPROVAL:**

Report id.	Date	Issued by	Scope
NET11603A2	19.08.2020	NET	Type approval
NET11603A	26.05.2020	NET	Type approval
NET116TE02	15.12.2020	NET	Technical evaluation, serie
NET116TE07	12.01.2021	NET	Technical evaluation, BF

**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.



PORSGRUNN, NORWAY

**13.01.2021** CERTIFICATE IS VALID UNTIL:

**31.01.2026**


 Geir Morten Johansen  
 Certification Officer



 Rune Madsen Fink  
 Control Officer

*Nordisk Emballasje Testing AS Certification*