



**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET11602A**

HOLDER OF CERTIFICATE:
ALOREM SAS

4122 kg max

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

MARKING ON PACKAGING:  **31A/Y/MMY/N/NET11602A - ID/7420/KG1**

"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.

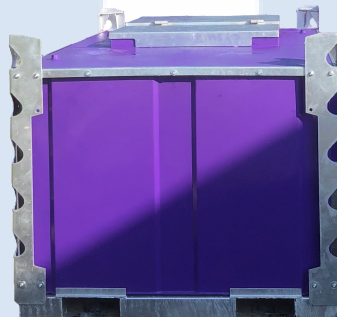
"KG1" to be replaced by Max. gross weight in kg from table on page 3.

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



DIMENSIONS:

IBC#: Capacity, l	Length, mm	Width, mm	Height, mm	Drawing
1: 2829	2297	1555	1296	RF30
2: 2430 + 321 Adblue	2297	1555	1296	RF30-035

CLOSING MECHANISM:

Closure type	Producer	Drawings	Material	Gasket	Torque, Nm
Main Cap	Mintor S.r.l.	Bouchon G3-F avec bras	S235	Gumo plast Rubber	55
Bung	Goshe	1116	Steel	-	
Top gasket	Gumo plast	-	Rubber	-	
Plug 3"	BIS	-	Galvanized iron	-	
Plug 2"	BIS	-	Galvanized iron	-	
Plug 1 1/4 "	BIS	-	Galvanized iron	-	
Plug 1"	Gebo	-	Galvanized iron	-	
Manhole cover	ALOREM SAS	RF30	Steel	Gumo plast Rubber	70
Manhole cover on Adblue tank	ALOREM SAS	RF30-035	S235	Gumo plast Rubber	100

ACCESSORIES:

Type	Description / Drawing	Producer
Electric vane pump	Viscomat 70	Piusi
Electric vane pump	Viscomat 90	Piusi
Electric pump	Panther 56	Piusi
Electric pump	Panther 72	Piusi
Electric pump	Panther 90	Piusi
level indicator	Magnetic liquid-level gauge	Rochester Gauges
Adblue tank	321 Liter	ALOREM SAS
Breather cap	Breather plug with double valve tilt-function	Mintor S.r.l.
Protection cover 1240 x 980 mm	RF30	ALOREM SAS
Eye for top lift, 1	RF30T-103-M1	ALOREM SAS
Eye for top lift, 2	RF30T-105-XM2	ALOREM SAS
Eye for top lift, 3	RF104-XM2	ALOREM SAS

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 exceed 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	KG1, Max. gross mass / Tare weight, kg	Max degree of filling, l	Pressure test, kPa
1: Liquids	1.0	3873 / 1101	2772	200
2: Liquids	1.0	3871 / 1176	2381 + 314	200

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET1402A	06.07.2018	NET	Type approval
S-03516-18	06.07.2018	Eurofins Ltd	Vibration testing
NET14TE02	13.08.2018	NET	Technical evaluation
NET14T01	25.05.2019	NET	Additional test, lift eyes
NET116TE01	19.06.2020	NET	Type approval
NET116TE06	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.



BREVIK, 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

