




**PRODUCT APPROVAL OF PACKAGING
FOR TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET1401A**

HOLDER OF CERTIFICATE:
X2S Services & Solutions

4122 kg max



MANUFACTURER: X2S Services & Solutions, 20 Bis Rue Louis Soulié, 42000 Saint-Etienne, France

MARKING ON PACKAGING:  **31A/Y/MMY/N/NET1401A - 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

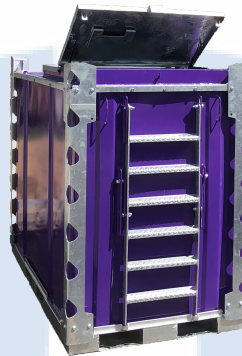
CLOSING MECHANISM:

Closure type	Producer	Drawings	Material	Gasket	Torque, Nm
Main cap	X2S Services & Solutions	Bouchon G3-F avec bras	S235	Gumo plast Rubber	55
Bung	Goshe	-	Steel	-	
Top gasket	Gumo plast	-	Rubber	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	X2S Services & Solutions	GRV-GA-30H	Steel	Gumo plast Rubber	70
Manhole cover on Adblue tank	X2S Services & Solutions	GRV-GA-20-OPT ON ADBLUE	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	90 Liter	X2S Services & Solutions
Adblue tank	200 Liter	X2S Services & Solutions
Adblue tank	290 Liter	X2S Services & Solutions
Breather cap	Breather plug with double valve tilt-function	Mintor
Protection cover 1240 x 980 mm	GRV-GA-30H	X2S Services & Solutions
Ladder	GRV-GA-30H	X2S Services & Solutions
Eye for top lift, 1	RF30T-103-M1	X2S Services & Solutions
Eye for top lift, 2	RF30T-105-XM2	X2S Services & Solutions
Eye for top lift, 3	RF104-XM2	X2S Services & Solutions


DIMENSIONS:

IBC#: Volume, l	Tare weight, kg	Length, mm	width, mm	Height, mm	Drawing
1: 3000	1050	2296	1185	1700	GRV-GA-30H
2: 2100	1000	2296	1185	1700	GRV-GA-30H-01
3: 1840 + 200 Adblue	940	2296	1185	1296	GRV-GA-20- OPTION ADBLUE
4: 2150	870	2296	1185	1296	GRV-GA-20
5: 990	550	1185	1185	1296	GRV-GA-10
6: 856 + 90 Adblue	605	1185	1185	1296	GRV-GA-10- OPTION ADBLUE

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.

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

IBC#: Content	Max. relative density	KG1, Max. gross mass	Pressure test, kPa
1: Liquids	1.0	4122	200
2: Liquids	1.0	3100	200
3: Liquids	1.0	2980	200
4: Liquids	1.0	3020	200
5: Liquids	1.0	1540	200
6: Liquids	1.0	1551	200

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET1401A	10.10.2018	NET	Type approval
S-03516-18	06.07.2018	Eurofins Ltd	Vibration testing
NET14TE01	13.08.2018	NET	Technical evaluation
NET14TE03	18.10.2018	NET	Technical evaluation
NET14T01	25.05.2019	NET	Additional test, lift eyes

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

27.05.2019

CERTIFICATE IS VALID UNTIL:

31.05.2024


Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing AS Certification