

**TYPE APPROVAL OF PACKAGING FOR  
TRANSPORTATION OF DANGEROUS GOODS  
CERTIFICATE NO.: NET3701A**

HOLDER OF CERTIFICATE:  
**AB Kulleborn & Stenström**


**MANUFACTURER:** AB Kulleborn & Stenström, Hjärtared 117, 311 62 Ullared, Sweden

**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 of an appropriate size.

The packaging shall also be appropriately marked with the month of the manufacture.

 **1H1/Y1.0/200/YR/N/NET3701A - ID**

-  : The United Nations symbol
- 1H1 : Plastics drums, non-removable head
- Y1.0 : Packaging group II and III, and relative density of the substance
- 200 : Hydraulic test pressure in kPa
- YR : To be replaced with the last two digits of the year of manufacture
- N : Norway, the state authorizing the allocation of the mark
- NET3701A - ID : Identification of the jerrican followed by "ID" to be replaced by the name or symbol of the manufacturer

**PRODUCT:**

Description/ Method of manufacture
Stretch blow moulded bottle performed in PET, details in report.



**DIMENSIONS:**

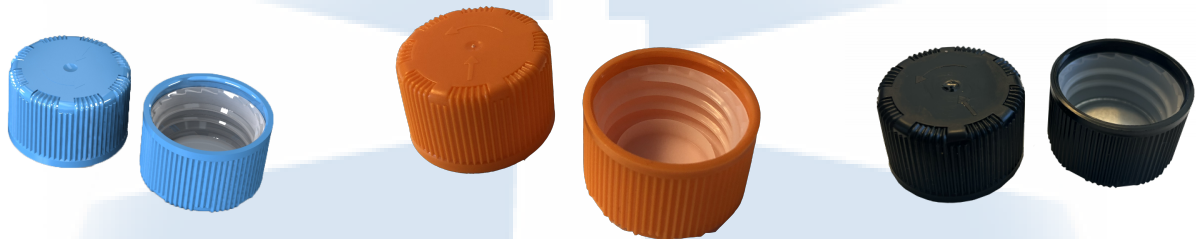
Volume, l	H*Ø, mm	Thickness, mm	Neck size, mm	Drawing
1.0	252.0*82.0	0.4	28.0	FT100011

**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	0.96	0.98	1.00	1.02	1.05

**CLOSING MECHANISM:**

Screw cap	Producer	Drawing	Material	Gasket	Torque
28 mm Child resistant	Modulpac AB	28B POM/ 8280006	POM/HDPE, details in report	Cone	3 Nm
28 mm Child resistant	Modulpac AB	28BA/ 8280013	PEHD, details in report	PE/ PET/ ALU/ Carboard	3 Nm
28 mm Child resistant	Modulpac AB	28BAA/ 8280013	PEHD, details in report	PET, Alu /Alkozell/ Alu, PET	3 Nm



**LEGISLATION:**

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 - 2023/4375 PRAX.

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

NET issues the certification on described product according to an agreement between Norwegian Civil Aviation Authority (Luftfartstilsynet) - 01.03.18 - 18/00114-8.

**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.

ICAO, Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IATA, Dangerous Goods Regulations, for the air transport.

**TESTS CARRIED OUT:**

Prototype tests performed and approved according to the above regulations:

6.1.5.2.6 Chemical compatibility

6.1.5.3 Drop test

6.1.5.4 Leakproofness test

6.1.5.5 Internal pressure test

6.1.5.6 Stacking test

6.1.5.7 Supplementary permeability test

**APPROVAL IS VALID FOR:**

The packaging shall always be used according to the requirements of the applicable UN-code and its packaging instructions.

The packaging is valid for packaging group II and III containing liquid substances that do not adversely affect the packaging materials. The packaging has been permeability tested according to ADR/RID. Compatibility testing has been carried out according to ADR/RID with the content listed below:

Content	Max. relative density	Max. vapour pressure, kPa at +50°C
UN1300 TURPENTINE SUBSTITUTE	1.0	171
Gasoline, UN1203	1.0	171
Diesel fuel, UN1202	1.0	171
Alkylate petrol, UN1268	1.0	171

**DOCUMENTS BASED UPON FOR APPROVAL:**

Report id.	Date	Issued by	Scope
NET3701A2	03.02.2020	NET	Type approval
NET2819A	08.01.2021	NET	Additional test, 28B POM
NET2818A	08.01.2021	NET	Additional test, 28BA
NET3902A2	20.09.2023	NET	Additional test, 28BAA

**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 ISO 16106.

**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 and ISO13274.



BREVIK, NORWAY

**27.09.2023** CERTIFICATE IS VALID UNTIL:

**28.02.2025**


 Mathias Werner  
 Certification Officer



 Rune Madsen Fink  
 Control Officer

*Nordisk Emballasje Testing Certification*