

**TYPE APPROVAL OF PACKAGING FOR  
TRANSPORTATION OF DANGEROUS GOODS  
CERTIFICATE NO.: NET0109A**

HOLDER OF CERTIFICATE:  
**Emballator Mellerud AB**

**MANUFACTURER:** Emballator Mellerud AB, Industrigatan 6 , 464 33 Mellerud , Sverige

**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 6 mm high. The packaging shall also be appropriately marked with the month of the manufacture. The period of use permitted for the carriage of dangerous substances shall be five years from the date of manufacture of the jerricans, except where a shorter period of use is prescribed because of the nature of the substance to be carried.

Ⓢ **3H1/Y1.9/150/YR/N/NET0109A - ID**

- Ⓢ : The United Nations symbol
- 3H1 : Plastics jerricans, non-removable head
- Y1.9 : Packaging group II and III, and relative density of the substance
- 150 : 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
- NET0109A - ID : Identification of the jerrican followed by "ID" to be replaced by the name or symbol of the manufacturer

**PRODUCT:**

Method of manufacture/ Description/ Min. wall thickness
Blow moulded jerrican performed in HDPE, details in report/ min. thickness 0.89/ 1.04 mm



**DIMENSIONS:**

Weight of the jerrican, g	Volume, l	L*W*H, mm	Neck size, mm	Drawing
1: 230 - 290	5.0	190*130*304	40	H0526-410-300 19990323
2: 265 - 290	5.0	190*130*304	40	H0526-410-300 19990323

**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	5.1	5.2	5.3	5.4	5.5

**CLOSING MECHANISM:**

#: Screw cap	Producer	Drawings	Material	Gasket	Torque, Nm
1: 40 mm CR	Emballator Växjö AB	12436	Basell ACP 6541A /Borealis MG9621S	PET Alu coated PE	7-10
2: 40 mm	Emballator Växjö AB	12474	Basell ACP 6541A	Cone	7
3: 40 mm CR	Emballator Växjö AB	12436	Basell ACP6541A/ Borealis MB7541	ALKOpore	4-10 (4-5 recommended)



**LEGISLATION:**

NET issues this certification pursuant to delegated authority from the Norwegian Directorate for Civil Protection (DSB), in accordance with the Regulation of 1 April 2009 No. 384 on the land transport of dangerous goods, Chapter 6a (ref. 2023/4375 PRAX). NET is designated as the competent body for allocation of the UN mark on packagings, including IBCs and large packagings, as published by the United Nations (UNECE) list of competent authorities.

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 is valid for packaging group II and III containing liquid substances covered by the liquids listed in the table below. The liquids marked with letter A - F are referring to standard liquids listed in ADR 6.1.6.1 and verified by chemical compatibility testing, ADR 6.1.5.2.6, to this specific liquid.

The dangerous substances allowed to transport in the packaging after chemical compatibility with these liquids, are listed in the "Assimilation list" table 4.1.1.21.6 in ADR. Transport of the substance is only allowed if the approval of the standard liquid(S), covered by "Rule for collective entries", has the same or higher relative density as the substance to be transported.

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

Prior to reuse, all UN-approved packagings intended for the transport of dangerous goods shall be inspected to confirm that they remain free from damage, corrosion, and contamination. Compliance with the original ADR type approval, including all applicable prototype test performance criteria, must be ensured.

Packagings showing any sign of reduced mechanical integrity shall be subject to reconditioning, repair, or permanent withdrawal from service. All functional components - including closures, gaskets, and valves - must remain intact and fully operational to ensure continued conformity.

Packagings that no longer fulfil these requirements shall not be reused for the transport of dangerous goods, in accordance with ADR 4.1.1.9.

Content	Max. relative density	Max. vapour pressure, kPa at +50°C	Packaging # / Screw cap #
Standard liquid A: Wetting Solution	1.2	142	1/ 1
Standard liquid B: Acetic Acid	1.1	114	1/ 1
Standard liquid C: n-Butyl acetate	1.0	114	1/ 1
Standard liquid D: Mixture of hydrocarbons	1.0	114	1/ 1
Standard liquid E: Nitric Acid	1.4	114	2/ 2
Standard liquid F: Water	1.9	142	1/ 1
UN3105, Organic peroxide	1.2	114	2/ 2,3

**DOCUMENTS BASED UPON FOR APPROVAL:**

Report id.	Date	Issued by	Scope
NET0109A	02.09.2007	NET	Type approval
NET0108A-AA	03.09.2008	NET	Technical evaluation
NET0109A-1	08.05.2009	NET	Type approval
NET0109A-2	08.08.2012	NET	Type approval
NET0109A-3	27.08.2012	NET	Type approval

NET0109A-4	13.08.2013	NET	Type approval
NET01TE09A	03.03.2015	NET	Technical evaluation
NET01T09	15.05.2015	NET	Selective test

**VALIDITY:**

This approval is valid for five (5) years, provided no modifications are made to the packaging design, materials, dimensions, closure system, or method of construction.

The certificate may be withdrawn at any time.

The published version on [www.net17025.com/Sertifisering/UN\\_ADR/cid/30758/](http://www.net17025.com/Sertifisering/UN_ADR/cid/30758/) shall always be considered the valid one.

The certificate holder/manufacturer must notify NET Certification of any changes that may influence transport safety.

Continued validity requires 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 programme meeting ADR requirements and 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 and NS-EN ISO 13274:2013.



BREVIK, NORWAY

**31.03.2026** CERTIFICATE IS VALID UNTIL:

**30.04.2031**



Mathias Werner  
Certification Officer



Rune Madsen Fink  
Control Officer

*Nordisk Emballasje Testing Certification*