TYPE APPROVAL OF PACKAGING FOR TRANSPORT OF DANGEROUS GOODS CERTIFICATE NO.: NET16001A

CERTIFICATE HOLDER:
Titab Pac AB

MANUFACTURING SITE: Titab Pac AB, Moa Martinsons gata 8, 60378 Norrköping, Sweden

UN MARKING:
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 drum, except where a shorter period of use is prescribed because of the nature of the substance to be carried.

Ⓤ **1H1/Y/150/YR/N/NET16001A**

Ⓤ	: The United Nations symbol
1H1	: Plastics drums, non-removable head
Y	: Packing group II and III, and relative density of the substance according to "Approved content" table
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
NET16001A - ID	: Identification of the drum followed by "ID" to be replaced by the name or symbol of the manufacturer

PACKAGING DESIGN:

Method of manufacture/ Description
Blow moulded bottle/drum performed in HDPE, details in report.



DIMENSIONS:

Weight of the drum, g	Volume, l	H*Ø, mm	Neck size, mm	Drawing
33	1.0	253*82	28	D1690

NET AS
Blekebakkvegen 45
N-3950 Brevik

Telephone +47 900 17025
E-mail: info@net17025.com
Web: www.net17025.com

VAT No.: 990 793 840
Bank account: 6250.05.22351
GPS: 59°03'25'' N 9°40'70'' E

MAXIMUM DEGREE OF FILLING IN LITER AT 15 °C:

Initial boiling point in °C	< 60	>= 60 < 100	>= 100 < 200	>= 200 < 300	>= 300
Degree of filling in liter	0.90	0.92	0.94	0.96	0.98

CLOSURES AND FITTINGS:

#: Closure type	Producer	Name/ Drawing	Material	Torque
1: CR 28 mm	Emballator Växjö AB	944/127-POM/ 12210	POM/ HDPE details in report	3
2: CR 28 mm	Emballator Växjö AB	955/127-POM/ 12211	POM/ HDPE details in report	3



AUTHORITY:
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.

APPLICABLE REGULATIONS:
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 PERFORMED:
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

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SCOPE OF APPROVAL:
The packaging is approved at packing group II and III performance levels for the specific liquids listed in the table below, in the formulations documented in the test report. The packaging shall be used in accordance with the applicable dangerous goods regulations and packing 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.

APPROVED CONTENT:

Liquids	Density, kg/L	Screw cap #
Alkylatbensin 4T	0.8	1, 2
Spolarvätska Koncentrerad	0.8	1, 2
Kaldavfetting	0.8	1, 2
Kylarglykol	1.2	2

DOCUMENTS FORMING THE BASIS FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET16001A	17.09.26	NET	Type approval

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/ 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 METHODS AND STANDARDS:
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.

NORSK AKKREDITERING TEST 259

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BREVIK, NORWAY **16.10.2026** CERTIFICATE IS VALID UNTIL: **31.10.2031**

Anita Gusfre Thoner
Certification Officer

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

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