


**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET16301A**


HOLDER OF CERTIFICATE:
Nouryon AB

RESPONSIBLE DISTRIBUTOR: Nouryon AB, Stockviksvägen 20, 854 67 Sundsvall, 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 at least 6 mm high.

 **5H4/Y18.2/S/YR
N/NET16301A - ID**

-  : The United Nations symbol
- 5H4 : Plastics film bags
- Y18.2 : Packaging group II and III, max gross mass in kg
- S : Intended for carriage of solids, see content table
- YR : To be replaced with the year (last two digits) of manufacture
- N : Norway, the state authorizing the allocation of the mark
- NET16301A - ID : Identification of the packaging followed by "ID" to be replaced by the name of the manufacturer

PRODUCT:

Description
Plastics bag, single-ply with a side seam, in high strength polyethylene based film



DIMENSIONS:

Tare weight, g	L*W, mm	Thickness, mm	Drawing
150	800*520	0.18	Nouryon Tyvek, 06.12.22

CLOSING MECHANISM:

Closure type
Welded in top and bottom

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 - 06/6950-7/BJRU.

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.

REGULATORY BASIS 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:

6.1.5.3 Drop test: wide face - narrow face - end of the bag

APPROVAL IS VALID FOR:

The packaging shall always be used according to the requirement of the applicable UN-code and its packaging instruction, P002.

Content	Relative density	Particle size
Expancel Microspheres, UN 1325 Flammable solids, organic, N.O.S.	1.1	3-60 micron

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET16301A	20.03.2023	NET	Type approval

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 FIBC shall be manufactured, reconditioned and tested under a quality assurance program which satisfies NET Certification, in order to ensure that each FIBC meets the requirements in ADR and the guidelines in ISO 16106. The validity of the certification is based upon a given retest frequency according to test procedure ITM011.

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

29.04.2026 CERTIFICATE IS VALID UNTIL:

31.03.2028


A handwritten signature in blue ink that reads 'Mathias Werner'.

Mathias Werner
Certification Officer

A handwritten signature in blue ink that reads 'Rune Madsen Fink'.

Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification

A large, faint watermark logo in the background, consisting of a stylized white cross or star shape with rounded ends, set against a light blue circular background.