Certificate no.:
TAF00001XW

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Protective Clothing

with type designation(s)
CPS 5800 1b-ET chemical protective clothing (Type 1b)

issued to
Dräger Safety AG & Co. KGaA
Lübeck, **Germany**

is found to comply with
DNV offshore standards
DNV rules for classification – Ships
DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2024-10-14**
This Certificate is valid until **2029-10-13**.
DNV local unit: **Hamburg – CMC North/East**

for **DNV**

Approval Engineer: **Timo Linn**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description
The CPS 5800 1b-ET chemical protective clothing (Type 1b) is classed as a Type 1b gas-tight chemical protective suit with a breathable air supply worn outside the chemical protective suit.

To be used with positive pressure breathing apparatus complying with EN137 and the use of a full face mask.

A suitable safety helmet is required.

The Zytron 500 suit material provides good flexibility and regular robustness and protects against multiple solid, liquid or gaseous high concentrated, also hazardous chemicals.

The suit has a gas-tight polyurethane closure system. The gloves and socks are connected gas-tight. Additional safety boots must be worn.

For further details please see the documents listed under Type Approval documentation.

Application/Limitation
As required by SOLAS 1974 as amended, Ch. II-2 Reg.19.3.6.1 and IMO IBC Code, Ch.14.1.

The applicant's instructions for use, storage, transport, maintenance and the applicant's recommendations and restrictions for use are to be complied with.

The CPS 5800 1b-ET suit is to be worn in conjunction with a self contained breathing apparatus approved according to ISO 23269-3:2011 and an approved positive pressure full face mask according to EN 136.

Place of Production: Kappler Inc. 55 Grimes Dr, Guntersville, AL 35976, USA

Type Approval documentation
EU Type Examination Certificate No.10865 A/23/29 PSA dated 23 November 2023 issued by DEKRA Testing and Certification GmbH, Bochum, Germany.
Test Report No.10865/23 PSA dated 23 August 2023 issued by DEKRA Testing and Certification GmbH, Essen, Germany.

Data sheet for Dräger CPS 5800 Gas-Tight Suit

Tests carried out
EN 943-1:2015 incl. A1:2019
EN 943-2:2019

Place of Production:
Kappler Inc. 55 Grimes Dr, Guntersville, AL 35976, USA

Marking of product
The markings are to be in accordance with EN 943-1 2015 Para 8.
The product or its packing shall as a minimum be marked with the company’s name, trade mark and the same type designations as given in the TA certificate for traceability. The marking shall be permanent and unique.

Periodical assessment
DNV’s surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNV-CP-0338, Section 4.