



Certificate no.:  
**TAF00001XJ**

# TYPE APPROVAL CERTIFICATE

**This is to certify:**  
**that the Protective Clothing**

with type designation(s)  
**CPS 5900 chemical protective clothing (Type 1a)**

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**.

for **DNV**

DNV local unit: **Hamburg – CMC North/East**

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.



Form code: TA 251

Revision: 2023-09

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## Product description

The "CPS 5900 chemical protective clothing (Type 1a)" is a totally encapsulating gas-tight chemical protective suit with a self-contained breathable air supply, full-face mask and safety helmet worn underneath the suit.

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.

The visor is made of high transparent chemical resistant material.

Via the optional Air-Connect the suit can be connected to an external air source for extended duration applications or decontamination process.

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 5900 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.

## Type Approval documentation

EU Type Examination Certificate No. 10866 A/23/30 PSA dated 09 July 2024 issued by DEKRA Testing and Certification GmbH, Bochum, Germany.

Test Report No.10996.2/24 PSA dated 14 May 2024 issued by DEKRA Testing and Certification GmbH, Essen, Germany.

Data sheet for Dräger CPS 5900 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, trademark 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