

**EU-Unit Verification Certificate**

(1)

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres****Directive 2014/34/EU**(3) EU-Unit Verification Certificate Number: **IEP 21 ATEX 0864X**(4) Product name: **LD 2504 FAL.0520 Type Filling Machine**  
Serial number: **1590**(5) Firm Name: **AYMAKSAN AYLAK MAKİNA SANAYİ A.Ş.**(6) Firm Address: **Yukarı dudullu Organize San. Böl. 3. Cad. And San. Sit. No: 16/1**  
**Ümraniye, İstanbul – TURKEY**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II/IX to the Directive. The examination and test results are recorded in confidential Report Nr : IEP.Rp.Ex.10-1977 date 01.07.2021.

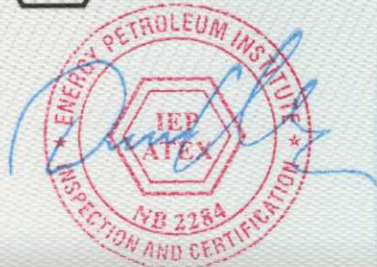
(9) Compliance with Essential Health and safety requirements has been assured by compliance with ;

**EN IEC 60079-0:2018 , EN ISO 80079-36:2016 , EN ISO 80079-37:2016**

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This EU-Unit Verification Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

**II ½ G Ex IIB T4 Ga/Gb**  
**II 2G Ex h IIB T4 Gb****Responsible Person :****Nurettin Terzioglu**  
**Head of Certification Body****Date of Issue : 09.07.2021****IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.**  
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# IEP ENERGY PETROLEUM INSTITUTE

## (13) Schedule

(14) Certificate Nr: **IEP 21 ATEX 0864X**

## (15) Description of System:

It is an automatic filling machine that quickly and precisely fills liquid or semi-liquid products from 0.5 lt to 20 liters in plastic packages with a maximum size of 240\*300/360 mm (E\*B\*H) with the flowmetric system. The machine works with linear flow. Empty packages are fed manually by the operator on the conveyor of the machine. The machine, which is controlled by electropneumatic automation, has a filling head with a DN 25 mass flow meter, filling from the top of the package. The parts of the machine in contact with the lyre and the machine table are made of AISI 304 stainless steel. The machine consists of electrical and mechanical equipment.

The filling machine has been evaluated as Zone 0 (Tank inner area) and Zone 1 (filling machine inner area) and the machine outer area as Zone 2 which is used as the danger area specified in the EN 60079-10-1 standard.

<b>Machine name</b>	: Filling Machine
<b>Machine type</b>	: LD 2504 FAL.0520
<b>Serial number</b>	: 1590
<b>Operation temperature</b>	: -20 °C ~ +45 °C
<b>Conveyor motor</b>	: 0,75 kW
<b>Servo motor</b>	: 1,5 kW
<b>Capacity</b>	: 900 ~ 1000 pc./ h
<b>Voltage</b>	: 400VAC
<b>Maximum Pressure</b>	: 1,5 bar

## (16) Essential Health and Safety Requirements:

**16.1** This certificate is in the contents of standards that mentioned in item [ 9 ] It has been accepted that the filling machine is manufactured according to the producer instructions and the standards mentioned above.

**16.2** Information's of assembled working of the filling machine with other related equipment's exist in instruction manual with date 05.2021.

## (17) Special Conditions for Safe Use:

**17.1** Assembly and working of the filling machine with other related equipment's must be adapted to national regulations.

**17.2** The cross-section of cable used for the main earth connection must be at least 16 mm<sup>2</sup>.

**17.3** All conductive components are interconnected and must be earthed.

**17.4** During the maintenance, the connection of the unit to the explosive environment must be disconnect through switches.

**17.5** (IEP 21 ATEX 0864X) X Means: Periodic inspection and maintenance should be carried out by an authorized person or authorized institution according to the user manual and standards. If unapproved equipment is used in the lathe, the certificate becomes invalid.

## Responsible Person :

Nurettin Terzioğlu  
Head of Certification Body



IEP Uluslararası Enerji Petrol G zetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi  
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# IEP ENERGY PETROLEUM INSTITUTE

(18) Schedule

(19) Certificate Nr: **IEP 21 ATEX 0864X**

(20) List of documentation;

- ◆ The filling machine user manual [ 88 page, date 05.2021, Rv.0 ]
- ◆ Equipment List [ 5 page, Section 4 ]
- ◆ Risk Analysis Report (EN ISO 80079-36: 2016 standard)
- ◆ Risk Analysis Report (EN 12100 standard)
- ◆ **Drawings**

Drawing Name	Date
LD 2504 FAL.0520/1	14.10.2020
270.001	06.08.2020
042.409	06.08.2020
238.048	06.08.2020
069.000	06.08.2020
111.107	06.08.2020
111.102	06.08.2020
055.031	06.08.2020
042.022	06.08.2020
LD 2504 FAL.0520/2	23.09.2020
LBL1	28.12.2020
Electrical drawings (43 pages)	13.10.2020
Hydraulic/ Pneumatic drawings (5 pages)	02.10.2020
Zone drawing -1	04.05.2021
Zone drawing -2	04.05.2021
Zone drawing -3	04.05.2021

For the validity of this certificate, the parts that are used in this machine is determined in confirmed the mechanical and electrical equipment list technical file section 3.

**Responsible Person :**

Nurettin Terzioglu  
Head of Certification Body



**Date of Issue : 09.07.2021**

