

Certificate

of EU type-examination No. UE/119/2019/1437, edition 1

Name of the product:

Ear-plugs

Type (varieties):

TP_03

Name and address of the manufacturer:

Ton Institute Spółka z ograniczoną odpowiedzialnością spółka komandytowa
ul. Grzybowska 2 lok. 29
00-131 Warsaw
Poland

**The product meets the applicable essential health and safety requirements
included in Regulation (EU) 2016/425 of the European Parliament and of the Council
of 9 March 2016**

Validity period: from 24 April 2019 to 23 April 2024

Head of the Centre
for Certification of Personal
Protective and Working Equipment

A. Stejlo
Agnieszka Stejko M.Sc.(Eng.)

.....
signature of the certificate issuer's representative

Warsaw, date 24 April 2019

page 1 of 3

Product description:

The TP_03 reusable ear-plugs are made of transparent silicone. The ear-plugs consist of a core and three rings which decrease in diameter towards the top. The ear-plugs are equipped with an acoustic filter made of polycarbonate and silicone diaphragms. The filter shapes the sound attenuation characteristics of the ear-plugs. The ear-plugs are equipped with an interconnecting cord made of polypropylene.

Filters are available in yellow, red, black, blue, orange, green, purple, pink, grey and transparent.

Each pair of ear-plugs is packed in a box made of polypropylene.

The range of nominal diameters of the ear-plugs is 8-12 mm.

Image:

Basic parameters:

class, personal protective equipment category, performance level(s) or protection class of the product

| Frequency, Hz | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|--------------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (M_p), dB | 13.2 | 17.1 | 20.3 | 24.3 | 27.2 | 30.2 | 39.5 |
| Standard Deviation, dB (s_p), dB | 6.5 | 4.8 | 4.9 | 4.9 | 3.8 | 7.3 | 6.7 |
| APV ($M_f - s_p$), dB | 6.7 | 12.3 | 15.4 | 19.4 | 23.4 | 22.9 | 32.8 |

$H = 23$ dB, $M = 18$ dB, $L = 13$ dB, $SNR = 21$ dB

Identification of the submitted documentation:

- application for EU type-examination No. 201/2019 dated 17.04.2019
- agreement on EU type-examination and review the of EU type-examination certificate No. 62/2019/1437 dated 17.04.2019
- technical documentation of TP_03 ear-plugs dated 15.04.2019
- instructions for the user dated 12.04.2019
- declaration of harmlessness of the materials used dated 12.04.2019

Product/product model supplied with the EU type-examination application is compliant with the technical documentation.

The product meets the requirements of harmonised standard/technical specifications:
EN 352-2:2002 "Hearing protectors. General requirements. Part 2: Ear-plugs"

confirmed by tests performed by:

CIOP-PIB, Department of Vibroacoustic Hazards, Warsaw, Poland

report No.:

112/PB/2019/NA dated 05.04.2019

Marking:

Packaging or the information for the user: name and address of the manufacturer TON INSTITUTE; model designation: TP_03; information that the ear-plugs are reusable; EN 352-2:2002; $SNR = 21$ dB; the nominal diameter designations: 8-12 mm; expiration date; serial number; instructions for fitting and use

The certificate applies in conjunction with one of procedures of conformity assessment according to C2 module or D module pursuant to Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016

NOTE 1:

Every modification to the product and its technical documentation to which this certificate pertains should be notified to the Centre for Certification of Personal Protective and Working Equipment of the Central Institute for Labour Protection – National Research Institute.

This certificate shall be valid as long as the above harmonised standard may be applied as a basis for product examination.

NOTE 2:

Forging the content and the markings of the certificate or modifying them (including a photocopy or scan), or using such document as authentic is a crime under Article 270 § 1 of the Criminal Code.