

INVESTIGATION REPORT

No 23U-AL0002

Tallinn, Tervise 20

15 August 2023

Investigation applicant	Director of the Estonian Safety Investigation Bureau Märt Ots
Circumstances	Investigation of the wreck of M/S Estonia
Procedural Case No	27-2/2023/3841-1
Investigation request	Compiled on: 2 August 2023 Arrived on: 3 August 2023
Presented for the investigation	Investigation object (obtained on 28 July 2023 from the metal investigation of the Chemistry Department): elongated metal piece with a corroded surface
Investigation type	Explosives investigation
Assignment	1. Are there any traces of explosives on the piece of metal submitted? 2. If so, which kind?
Expert	Forensic Expert Sven Laanet Telephone +372 6636721 , email sven.laanet@ekei.ee

Description of the investigation

For the investigation, a piece of metal with a rusty surface with an approximate length of 65 cm, an approximate width of 14 cm at the wide end and 10 cm at the narrow end, and a thickness of more than 1 cm at the wide end and less than 1 cm at the narrow end was presented.

By washing the surface of the research object with acetone from the narrow end to approximately half the length of the object, a sample of the acetone solution was taken from the investigation object. The location of the sampling was determined according to an agreement with the investigation applicant, the other side of the object was not examined.

The sample was examined using a liquid chromatograph-mass spectrometer (KO-MR-AL03), a method approved by the Estonian Forensic Science Institute.

Investigation deliverables

As a result of the investigation, no traces of explosives were found on the investigation object.

Note: The piece of metal presented for the investigation will be returned to the investigation applicant.

(signed digitally)

Sven Laanet
Expert