

Israel Forensic Science Institute

## Examination Report

Case work: IFSI - 2019 - 0044 - 143 - 1



# Examination Report

## Exhibit for examination

1. Two sheets of paper printed in Hebrew [Fig. 1].

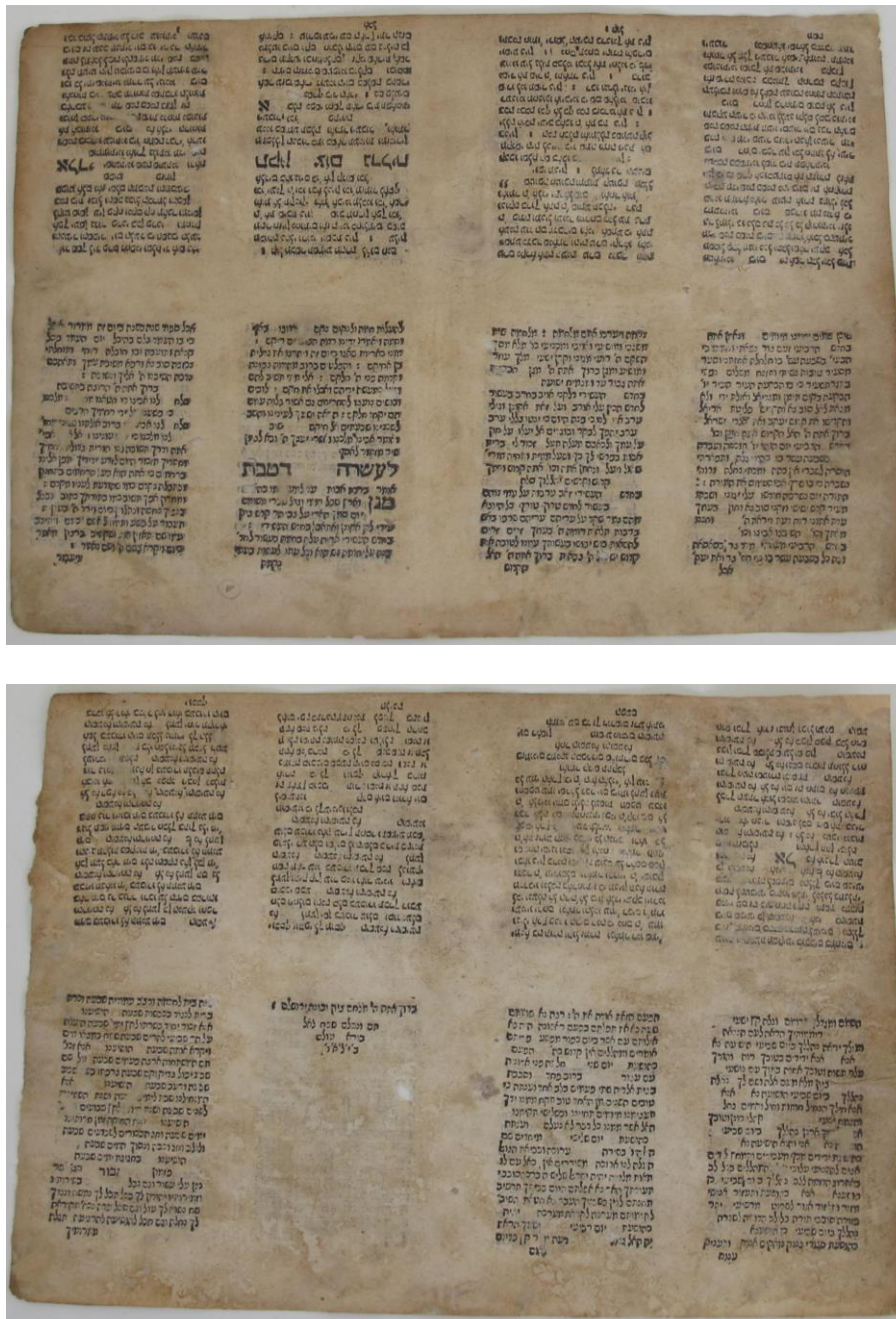


Fig 1: The documents submitted to the laboratory.



Requested examination

1. Estimating of ink dating.
2. Estimating the authenticity of both documents.

Examinations process

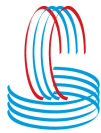
1. Visual inspection.
2. Microscopic examination.
3. UV light examination using two wave length.
4. Elemental analysis using SEM/EDS.
5. Spectrometric analysis (GC/MS) for ink and papers.

Findings and interpretation

1. The documents are printed documents and they are not photofopy.
2. The ink is printed on the papers.
3. The ink contains oil as expected from ancient ink.
4. The ink contains Fe, Pb, Al, Si, Mg and Cr. I did not find Cu in the ink.
5. It is not possible for me to estimate the ink dating.
6. The paper of both document is made of one sheet. It is possible to see the marks of the net, that indicate that the paper is ancient [Fig. 2]. It is also possible to see a water-mark [Fig. 2].



Fig 2: The net-mark and the water-mark inside the paper.



Israel Forensic Science Institute

Date: 15, July, 2019

Case work: 2019-0044-143

Reference: 2019-0044-143-ex1-en

7. I did not find an evidence to forge.
8. I cannot estimate the age of the documents.

Examiner  name

Avner Rosengarten