

Authentication of meles and baguettes prices, conditions and principles

NOTE: When necessary, observations with DiamondView and/or PhosView are not charged

1. Authentication by ASDI'

Price

See our online calculator on www.ssef.ch (requires Excel).

The price is based on the quantity of submitted lots, conditions of lot's cleaning and total quantity of stones per shipment.

ASDI conditions

Only for batches of colourless, round, faceted and clean gemstones with similar diameters.

A lot shall not contain:

- a. stones with a diameter smaller than 1.0 mm (please contact us if your diamond's diameters range between 0.85 and 1.00 mm)
- b. any sub-lot
- c. stones with a weight heavier than 0.19 ct.

ASDI principle

Separates (1) any stone with no diamond Raman signal - mainly diamond substitutes and (2) diamonds that are transparent to UV short waves - mainly type II and type IaB diamonds.

An authentication ASDI report is delivered for each lot, a model of which is available on www.ssef.ch

2. FTIR and/or microFTIR

Price

- a. from 1 to 20 stones: CHF 250.-
- b. over 21 stones: CHF 250.- plus CHF 5.- per stone over 20

Example: 26 stones: CHF 280.-

FTIR conditions

Batches are made of colourless and clean stones; with diameters larger than 1.0 mm for FTIR.

There is no size limitation for microFTIR analysis.

FTIR principle

Check the type of a diamond. An authentication FTIR or microFTIR report is delivered a model of which is available on www.ssef.ch

3. Low temperature photoluminescence

Price

- a. from 1 to 5 diamonds: CHF 500.-
- b. more than 5 diamonds: CHF 50.- per diamond

Examples : 3 diamonds: CHF 250.- ; 13 diamonds: CHF 650.-

Low temperature photoluminescence conditions

Batches are made of colourless and clean gemstones. No size limitation.

Low temperature photoluminescence principle (PL)

Check for the presence or the absence of optical centres characteristic of natural diamonds, synthetic diamonds or treated diamonds by low temperature photoluminescenceⁱⁱ. A PL authentication report is delivered a model of which is available on www.ssef.ch

4. Checking for diamond substitutes by X-ray absorption

Price

- a. Radiography: CHF 450.-
- b. Sorting out diamond substitutes:
 - for a lot smaller than 5'000 stones:
CHF 200.- plus CHF 35.- per diamond substitute
 - for a lot larger than 5'000 stones:
CHF 200.- plus CHF 50.- per diamond substitute

X-ray absorption conditions

Batches are made of colourless and clean stones; with diameters larger than 1.1 mm.

X-ray absorption Principleⁱⁱⁱ

A X-ray radiography is recorded and a verbal result is communicated. When present, diamond substitutes can be sorted out and returned separately.

ⁱ Automated Spectral Diamond Inspection

ⁱⁱ Under certain circumstances, the nature of the diamond cannot be determined.

ⁱⁱⁱ This service does not separate diamonds from treated diamonds, neither from synthetic diamonds and does not include the determination of the nature of any possible diamond substitute.