

**G. LOGES**  
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CHEMISCHES UNTERSUCHUNGSAMT  
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d. 7.9.1984

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4220 D i n s l a k e n

***THIS IS AN ENGLISH-LANGUAGE TRANSLATION OF THE ORIGINAL REPORT FROM THE ANALYSIS OF THE OIL PRODUCED  
BY THE LOGES LABS IN GERMANY***

#### RESULT OF THE ANALYSIS

Of the liquid which was delivered on 28th August 1984, which is stated to have escaped from a picture of the Virgin Mary. The two provided photos of this picture are returned in the attachment.

Delivered amount: about 2 ml in a glass tube with a rubber cap

External appearance: clear, light golden yellow oily liquid with specific scent like olive oil

Refraction, 20°C: 1,4683

Infrared spectroscopy:

Absorption in the range of wavelengths between 400 and 4000

corresponding to the characteristics of olive oil (TLJ cuvette)

no aromatic extraneous matters (solution in CCl<sub>4</sub>, quartz cuvette)

no unpolar hydrocarbons (Florisil-absorption)

= like olive oil

Gas chromatography after esterification: 14,3 %

palmitic acid 0,8 %

margaric acid 2,9 %

stearic acid 72,5 %

oleic acid 9,5 %

linoleic acid = 100 % olive oil

Assessment: According to the examination results the delivered liquid consisted of pure olive oil.