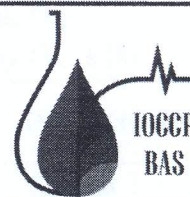




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ANALYTICAL REPORT

for

analysis of rose essential oil,

“LEMA-HAMUR-2019”

An analysis of a sample of essential oil, marked as **“LEMA-HAMUR-2019”** on request of LEMA LTD, Kazanlak, Bulgaria was performed in the Laboratory for Instrumental Chromatography and Mass Spectrometry, Institute of Organic Chemistry with Centre of Phytochemistry, Bulgarian Academy of Sciences by means of gas chromatography with flame ionization detector (GC-FID) and gas chromatography-mass spectrometry (GC/MS).

The GC-FID analysis was performed on a Agilent 7820A GC System Plus gas chromatograph coupled with 5977B Mass Selective detector and flame ionization detector (Agilent Technologies, USA). The ultra-inert fused silica capillary column DB-17HT (J&W Scientific, Folsom, CA) with 30 m column length, 0.25 mm i.d., 0.15 μm film thickness was used.

The identification of the compounds was performed using commercial mass spectral library (NIST 14).

The quantitative content of the sample **“LEMA-HAMUR-2019”**, according to the GC-FID determination is summarized in Table 1.

