

J. MULLER

LABORATORIES (PTY) LTD

Reg. No.1980/004037/07

ANALYTICAL CHEMISTS

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30 MARINE DRIVE
PAARDEN EILAND 7405
REP. OF SOUTH AFRICA

Our Ref LN205117-14S-09

Date of Issue: 17 MAY 2012

Certificate of Analysis

PAGE 1 OF 2

This is to certify that the sample listed below was analysed

SUBMITTED BY: STONEBERG FARM HOLDINGS (PTY) LTD
P.O BOX 361
PIKETBERG
7320
ATTENTION: RODERICK SMITH

SAMPLE TYPE: OLIVE OIL (x1)
SAMPLE MARKS: STONEBERG COLD PRESSED
EXTRA VIRGIN OLIVE OIL - EX LETTER

DATE SAMPLE RECEIVED: 04 MAY 2012
DATE ANALYSIS STARTED: 11 MAY 2012
DATE ANALYSIS COMPLETED: 17 MAY 2012

Analysis relates only to the sample/s tested:

Analysis gave:

SEE ATTACHED PAGE 2 OF 2



J. MULLER LABORATORIES (PTY) LTD DIRECTOR: B.M. JOHNSON

*THIS CERTIFICATE/REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL
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CONDITIONS OF ISSUE ATTACHED*

QALFFA (Ref AOCS Ca 5a-93) Free Fatty Acid (as oleic) %m/m 0,23
QALPV (Ref AOCS Cd 8b-93) Peroxide Value meq/kg 7,7

International Olive Oil
Council Specifications
≤0,8 (Extra Virgin)
≤20 (Extra Virgin)

AOAC 963.22 Fatty Acid Methyl Esters:

C14 ⁰	Myristic Acid %	<0,05	≤0,05
C16 ⁰	Palmitic Acid %	13,1	7,5-20,0
C16 ¹	Palmitoleic Acid %	0,85	0,3-3,5
C18 ⁰	Stearic Acid %	2,32	0,5-5,0
C18 ¹	Oleic Acid %	70,3	55,0-83,0
C18 ²	Linoleic Acid %	11,3	3,5-21,0
C18 ³	Linolenic Acid %	0,91	≤1,0
C20 ⁰	Arachidic Acid %	0,43	≤0,6
C20 ¹	Eicosenoic Acid %	0,32	≤0,4
C22 ⁰	Behenic Acid %	<0,05	≤0,2
C22 ¹	Erucic Acid %	<0,05	-
C24 ⁰	Lignoceric Acid %	<0,05	≤0,2
	Squalene	0,50	


Values reported as less than (<) are lower than the limit of quantification for the method employed.

COMMENTS:

The above analysis complies with IOOC standards for extra virgin olive oil.


LAB TECHNICIAN
S SMIT


ANALYST
P JOHNSON


LABORATORY MANAGER
J LAW-BROWN

J. MULLER

LABORATORIES

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