

Eurofins Central Analytical Laboratories

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 Bariani Olive Oil
 30400 CR 16
 Zamora, CA 95698

Client Code: QA0007895
PO#: oocc

ANALYTICAL REPORT

AR-25-QA-008633-01

Received On: 06Jan2025
Reported On: 30Jan2025

Order Code: 006-10547-1748220

Eurofins Sample Code:	468-2025-01060038	Sample Registration Date:	06Jan2025
Client Sample Code:	p10	Condition Upon Receipt:	acceptable, 25.0°C
Sample Description:	early harvest	Sample Reference:	p10

JK0ED - Sensory Panel Analysis of Virgin Reference	Accreditation	Completed	Sub
Olive Oil	COI/T.20/Doc.No15/Rev.11 2024	17Jan2025	1

Parameter	Result
Fruity Median	5.2
Bitterness Median	3.8
Pungency Median	3.8
Level of Maturity	green fruitiness
Defect Median	0.0
Category	Extra Virgin

QA0A3 - Phthalate Compounds (GC-MSMS)	Reference	Completed
	Internal method	14Jan2025

Parameter	Result
Benzyl butyl phthalate (BBP)	<0.10 mg/kg
Dibutyl phthalate (DBP)	<0.10 mg/kg
Diethyl hexyl phthalate (DEHP)	<0.10 mg/kg
Diethyl adipate (DEA)	<0.10 mg/kg
Di(2-ethylhexyl) adipate (DEHA)	<0.10 mg/kg
Diethyl phthalate (DEP)	<0.10 mg/kg
Di-isobutyl phthalate (DiBP)	<0.10 mg/kg
Diisobutyl adipate (DIBA)	<0.10 mg/kg
Diisodecyl phthalate (DIDP)	<0.10 mg/kg
DiisoHeptylphthalate (DiHP)	<0.10 mg/kg
Diisononyl phthalate (DINP)	<0.10 mg/kg
Dimethyl phthalate (DMP)	<0.10 mg/kg
Di-n-octylphthalate (DNOP)	<0.10 mg/kg
Dinonyl phthalate (DNP)	<0.10 mg/kg
Dipentylphthalate (Sum of DIPP und DNPP)	<0.10 mg/kg
Dicyclohexyl phthalate (DCHP)	<0.10 mg/kg

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QA0RJ - Olive Oil Sensory Evaluation (Basic)	Reference No Reference	Accreditation	Completed 30Jan2025	Sub 2
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Parameter	Result
Median of fruity attribute	3.8
Median for bitter attribute	3.7
Median of pungent attribute	3.6
Median of defects	none
Sensory evaluation	Extra Virgin

QA20U - Peroxide Value (Acetic Acid-Isooctane Method)	Reference AOCS Cd 8b-90	Accreditation ISO/IEC 17025:2017 A2LA 2993.01	Completed 08Jan2025
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Parameter	Result
Peroxide value	4.74 meq/kg

QA20V - Specific Extinction, Ultraviolet Absorption	Reference AOCS Ch 5-91	Accreditation ISO/IEC 17025:2017 A2LA 2993.01	Completed 07Jan2025
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Parameter	Result
K 225	2.839
K 232	1.917
K 270	0.187
Delta K	-0.0052

QA21G - Isomeric Diacylglycerols	Reference ISO 29822	Completed 09Jan2025
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Parameter	Result
1,2-Diglycerides in % of all diglycerides	88.5 %

QA21H - Pyropheophytines (Olive Oil, HPLC-UVD)	Reference ISO 29841	Completed 13Jan2025
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Parameter	Result
Pyropheophytin a % of all Pheophytines	1.2 %

QA25Q - Polyphenol Profile (Olive Oils, LC-MSMS)	Reference Internal LC-MS/MS	Completed 15Jan2025
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Parameter	Result
Apigenin	<1.0 mg/kg
Caffeic acid	<1.0 mg/kg
Ferulic acid	<1.0 mg/kg
Hydroxytyrosol	3.9 mg/kg

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QA25Q - Polyphenol Profile (Olive Oils, LC-MSMS)	Reference Internal LC-MS/MS	Completed 15Jan2025
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Parameter	Result
Luteolin	2.0 mg/kg
Oleacein	198.1 mg/kg
Oleocanthal	261.8 mg/kg
Oleuropein	<1.0 mg/kg
p-Coumaric acid	<1.0 mg/kg
Quercetine	<1.0 mg/kg
Tyrosol	6.0 mg/kg
Vanillic acid	<1.0 mg/kg

QA282 - Free Fatty Acid, as Oleic	Reference AOCS Ca 5a-40	Accreditation ISO/IEC 17025:2017 A2LA 2993.01	Completed 07Jan2025
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Parameter	Result
Free fatty acids as oleic acid	0.30 %

QA328 - Insoluble Impurities	Reference AOCS Ca 3a-46	Accreditation ISO/IEC 17025:2017 A2LA 2993.01	Completed 10Jan2025
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Parameter	Result
Insoluble impurities	0.02 %

QA383 - Moisture & Volatiles (Air Oven 130C)	Reference AOCS Ca 2c-25	Completed 10Jan2025
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Parameter	Result
Moisture & Volatiles	0.15 %

Subcontracting partners:
 1 - Eurofins Analytik GmbH, Hamburg
 2 - Applied Sensory, LLC, CA

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Respectfully Submitted,



Victoria Siegel

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ASM Eurofins Analytical Laboratories, Inc.

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