tiryaki consumer brands | YUDUM | SIRMA | Egemden

CERTIFICATE OF ANALYSIS (COA)

EXTRA VIRGIN OLIVE OIL (NATÜREL SIZMA ZEYTİNYAĞI)

Product Category Extra Virgin Olive Oil
Brand EGEMDEN YUMUŞAK LEZZET Z.YAĞI

Parameter	Specification Limit	Analysis Value	Result
Free Acidity (oleic acid)(% m/m)	≤ 0,8	0,6	✔
Peroxide Value(meq O2/kg)	≤ 20	10,5	✔
Moisture and Volatile Matter(% m/m)	≤ 0,2	0,12	✔
ECN 42	≤ 0,2	0,1	✔
Stigmastadiens (mg/kg)	≤ 0,05	0,03	✔
Wax Content (C42+C44+C46)(mg/kg)	≤ 150	60	✔
Fatty Acid Ethyl Esters (mg/kg)	≤35	25	✔
UV Absorbance			
E 270 nm	≤ 0,22	0,13	✔
E 232 nm	≤ 2,50	2,00	✔
ΔE	≤ 0,01	0,00	✔

Fatty acid composition (Total Methyl esters) (%m/m)	Specification Limit	Analysis Value	Result
Myristic Acid (C14:0)	≤ 0,03	0,02	✔
Palmitic Acid(C16:0)	7,50-20,00	13,13	✔
Palmitoleic Acid(C16:1)	0,30-3,50	1,12	✔
Heptadecanoic Acid (C17:0)	≤ 0,30	0,16	✔
Heptadecenoic Acid (C17:1)	≤ 0,30	0,19	✔
Stearic Acid (C18:0)	0,50-5,00	3,30	✔
Oleic Acid(C18:1)	55,00-83,00	70,46	✔
Linoleic Acid (C18:2)	3,50-21,00	9,96	✔
Linolenic Acid(C18:3)	≤ 1,00	0,76	✔
Arachidic Acid (C20:0)	≤ 0,60	0,37	✔
Gadoleic/Eicosenoic Acid (C20:1)	≤ 0,40	0,39	✔
Behenic Acid (C22:0)	≤ 0,20	0,07	✔
Lignoceric Acid (C24:0)	≤ 0,20	0,00	✔
Trans Fatty Acids (Total Methyl Esters)(%m/m)			
T C18:1	≤ 0,05	0,00	✔
T C18:2 + C18:3	≤ 0,05	0,00	✔

Sterol Composition (% total sterols)	Specification Limit	Analysis Value	Result
Cholestrol	≤ 0,5	0,16	✔
Brassicasterol	≤ 0,1	0,02	✔
Campesterol	≤ 4,0	2,90	✔
Stigmasterol	< Kampesterol	1,00	✔
Δ-7 Stigmastenol	≤ 0,5	0,50	✔
∑ Beta-Sitosterol	≥ 93,0	94,20	✔
∑ Sterol (mg/kg)	≥ 1000	1568,00	✔
Erytrodiol + Uvaol(% ∑ Sterols)	≤ 4,5	2,00	✔

The product complies with the specified limits.

Approved by **Quality Control Supervisor**