

CERTIFICATE OF ANALYSIS(COA)

EXTRA VIRGIN OLIVE OIL (NATÜREL SIZMA ZEYTİNYAĞI)

Product Category
Brand

Extra Virgin Olive Oil
EGEMDEN YUMUŞAK LEZZET Z.YAĞI

Parameter	Specification Limit	Analysis Value	Result
Free Acidity (oleic acid)(% m/m)	$\leq 0,8$	0,6	
Peroxide Value(meq O ₂ /kg)	≤ 20	10,5	
Moisture and Volatile Matter(% m/m)	$\leq 0,2$	0,12	
ECN 42	$\leq 0,2$	0,1	
Stigmastadiens (mg/kg)	$\leq 0,05$	0,03	
Wax Content (C42+C44+C46)(mg/kg)	≤ 150	60	
Fatty Acid Ethyl Esters (mg/kg)	≤ 35	25	
UV Absorbance			
E 270 nm	$\leq 0,22$	0,13	
E 232 nm	$\leq 2,50$	2,00	
ΔE	$\leq 0,01$	0,00	
Fatty acid composition	Specification		
(Total Methyl esters) (%m/m)	Limit	Analysis Value	Result
Myristic Acid (C14:0)	$\leq 0,03$		
Palmitic Acid(C16:0)	7,50-20,00	0,02	
Palmitoleic Acid(C16:1)	0,30-3,50	13,13	
Heptadecanoic Acid (C17:0)	$\leq 0,30$	1,12	
Heptadecenoic Acid (C17:1)	$\leq 0,30$	0,16	
Stearic Acid (C18:0)	0,50-5,00	0,19	
Oleic Acid(C18:1)	55,00-83,00	3,30	
Linoleic Acid (C18:2)	3,50-21,00	70,46	
Linolenic Acid(C18:3)	$\leq 1,00$	9,96	
Arachidic Acid (C20:0)	$\leq 0,60$	0,76	
Gadoleic/Eicosenoic Acid (C20:1)	$\leq 0,40$	0,37	
Behenic Acid (C22:0)	$\leq 0,20$	0,39	
Lignoceric Acid (C24:0)	$\leq 0,20$	0,07	
Trans Fatty Acids (Total Methyl Esters)(%m/m)		0,00	
T C18:1	$\leq 0,05$		
T C18:2 + C18:3	$\leq 0,05$	0,00	
Sterol Composition	Specification		
(% total sterols)	Limit	Analysis Value	Result
Cholestrol	$\leq 0,5$		
Brassicasterol	$\leq 0,1$		
Campesterol	$\leq 4,0$	0,16	
Stigmasterol	$\leq 4,0$	0,02	
Δ^7 Stigmastenol	$\leq 4,0$	2,90	
Σ Beta-Sitosterol	$\leq 0,5$	1,00	
Σ Sterol (mg/kg)	$\geq 93,0$	0,50	
	≥ 1000	94,20	
	$\leq 4,5$	1568,00	
Erythrodiol+Uvaol(% Σ Sterols)		2,00	

The product complies with the specified limits.

Approved by Quality Control Supervisor

CERTIFICATE OF ANALYSIS(COA)

EXTRA VIRGIN OLIVE OIL (NATÜREL SIZMA ZEYTİNYAĞI)

Product Category
Brand

Extra Virgin Olive Oil
EGEMDEN YOĞUN LEZZET Z.YAĞI

Parameter	Specification Limit	Analysis Value	Result
Free Acidity (oleic acid)(% m/m)	$\leq 0,8$	0,6	
Peroxide Value(meq O ₂ /kg)	≤ 20	9	
Moisture and Volatile Matter(% m/m)	$\leq 0,2$	0,12	
ECN 42	$\leq 0,2$	0,1	
Stigmastadiens (mg/kg)	$\leq 0,05$	0,03	
Wax Content (C42+C44+C46)(mg/kg)	≤ 150	40	
Fatty Acid Ethyl Esters (mg/kg)	≤ 35	20	
UV Absorbance			
E 270 nm	$\leq 0,22$	0,14	
E 232 nm	$\leq 2,50$	1,90	
ΔE	$\leq 0,01$	0,00	
Fatty acid composition	Specification	Analysis	Result
(Total Methyl esters) (%m/m)	Limit	Value	
Myristic Acid (C14:0)	$\leq 0,03$		
Palmitic Acid(C16:0)	7,50-20,00	0,02	
Palmitoleic Acid(C16:1)	0,30-3,50	13,13	
Heptadecanoic Acid (C17:0)	$\leq 0,30$	1,12	
Heptadecenoic Acid (C17:1)	$\leq 0,30$	0,16	
Stearic Acid (C18:0)	0,50-5,00	0,19	
Oleic Acid(C18:1)	55,00-83,00	3,30	
Linoleic Acid (C18:2)	3,50-21,00	70,46	
Linolenic Acid(C18:3)	$\leq 1,00$	9,96	
Arachidic Acid (C20:0)	$\leq 0,60$	0,76	
Gadoleic/Eicosenoic Acid (C20:1)	$\leq 0,40$	0,37	
Behenic Acid (C22:0)	$\leq 0,20$	0,39	
Lignoceric Acid (C24:0)	$\leq 0,20$	0,07	
Trans Fatty Acids (Total Methyl Esters)(%m/m)		0,00	
T C18:1	$\leq 0,05$		
T C18:2 + C18:3	$\leq 0,05$	0,00	
Sterol Composition	Specification		
(% total sterols)	Limit	Analysis	Result
Cholestrol	$\leq 0,5$	Value	
Brassicasterol	$\leq 0,1$		
Campesterol	$\leq 4,0$	0,16	
Stigmasterol	$\leq 4,0$	0,02	
Δ^7 Stigmastenol	$\leq 4,0$	2,90	
Σ Beta-Sitosterol	$\leq 0,5$	1,00	
Σ Sterol (mg/kg)	$\geq 93,0$	0,40	
	≥ 1000	94,20	
	$\leq 4,5$	1568,00	
Erythrodiol+Uvaol(% Σ Sterols)		1,50	

The product complies with the specified limits.

Approved by Quality Control Supervisor

CERTIFICATE OF ANALYSIS(COA)

EXTRA VIRGIN OLIVE OIL (NATÜREL SIZMA ZEYTİNYAĞI)

Product Category
Brand

Extra Virgin Olive Oil
EGEMDEN SOĞUK SIKIM Z.YAĞI

Parameter	Specification Limit	Analysis Value	Result
Free Acidity (oleic acid)(% m/m)	$\leq 0,8$	0,6	
Peroxide Value(meq O ₂ /kg)	≤ 20	10	
Moisture and Volatile Matter(% m/m)	$\leq 0,2$	0,12	
ECN 42	$\leq 0,2$	0,1	
Stigmastadiens (mg/kg)	$\leq 0,05$	0,03	
Wax Content (C42+C44+C46)(mg/kg)	≤ 150	40	
Fatty Acid Ethyl Esters (mg/kg)	≤ 35	20	
UV Absorbance			
E 270 nm	$\leq 0,22$	0,14	
E 232 nm	$\leq 2,50$	1,90	
ΔE	$\leq 0,01$	0,00	
Fatty acid composition	Specification		
(Total Methyl esters) (%m/m)	Limit	Analysis Value	Result
Myristic Acid (C14:0)	$\leq 0,03$		
Palmitic Acid(C16:0)	7,50-20,00	0,02	
Palmitoleic Acid(C16:1)	0,30-3,50	13,13	
Heptadecanoic Acid (C17:0)	$\leq 0,30$	1,12	
Heptadecenoic Acid (C17:1)	$\leq 0,30$	0,16	
Stearic Acid (C18:0)	0,50-5,00	0,19	
Oleic Acid(C18:1)	55,00-83,00	3,30	
Linoleic Acid (C18:2)	3,50-21,00	70,46	
Linolenic Acid(C18:3)	$\leq 1,00$	9,96	
Arachidic Acid (C20:0)	$\leq 0,60$	0,76	
Gadoleic/Eicosenoic Acid (C20:1)	$\leq 0,40$	0,37	
Behenic Acid (C22:0)	$\leq 0,20$	0,39	
Lignoceric Acid (C24:0)	$\leq 0,20$	0,07	
Trans Fatty Acids (Total Methyl Esters)(%m/m)		0,00	
T-C18:1	$\leq 0,05$		
T-C18:2 + C18:3	$\leq 0,05$	0,00	
Sterol Composition	Specification		
(% total sterols)	Limit	Analysis Value	Result
Cholestrol	$\leq 0,5$		
Brassicasterol	$\leq 0,1$	0,16	
Campesterol	$\leq 4,0$	0,02	
Stigmasterol	< Campesterol	2,90	
Δ^7 Stigmastenol	$\leq 0,5$	1,00	
Σ Beta-Sitosterol	$\geq 93,0$	0,40	
Σ Sterol (mg/kg)	≥ 1000	94,20	
	$\leq 4,5$	1568,00	
Erythrodiol+Uvaol(% Σ Sterols)		1,50	

The product complies with the specified limits.

Approved by Quality Control Supervisor

CERTIFICATE OF ANALYSIS(COA)

EXTRA VIRGIN OLIVE OIL (NATÜREL SIZMA ZEYTİNYAĞI)

Product Category
Brand

Extra Virgin Olive Oil
EGEMDEN ERKEN HASAT Z.YAĞI

Parameter	Specification Limit	Analysis Value	Result
Free Acidity (oleic acid)(% m/m)	$\leq 0,8$	0,6	
Peroxide Value(meq O ₂ /kg)	≤ 20	9	
Moisture and Volatile Matter(% m/m)	$\leq 0,2$	0,12	
ECN 42	$\leq 0,2$	0,1	
Stigmastadiens (mg/kg)	$\leq 0,05$	0,03	
Wax Content (C42+C44+C46)(mg/kg)	≤ 150	40	
Fatty Acid Ethyl Esters (mg/kg)	≤ 35	20	
UV Absorbance			
E 270 nm	$\leq 0,22$	0,14	
E 232 nm	$\leq 2,50$	1,90	
ΔE	$\leq 0,01$	0,00	
Fatty acid composition	Specification		
(Total Methyl esters) (%m/m)	Limit	Analysis Value	Result
Myristic Acid (C14:0)	$\leq 0,03$		
Palmitic Acid(C16:0)	7,50-20,00	0,02	
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Heptadecenoic Acid (C17:1)	$\leq 0,30$	0,16	
Stearic Acid (C18:0)	0,50-5,00	0,19	
Oleic Acid(C18:1)	55,00-83,00	3,30	
Linoleic Acid (C18:2)	3,50-21,00	70,46	
Linolenic Acid(C18:3)	$\leq 1,00$	9,96	
Arachidic Acid (C20:0)	$\leq 0,60$	0,76	
Gadoleic/Eicosenoic Acid (C20:1)	$\leq 0,40$	0,37	
Behenic Acid (C22:0)	$\leq 0,20$	0,39	
Lignoceric Acid (C24:0)	$\leq 0,20$	0,07	
Trans Fatty Acids (Total Methyl Esters)(%m/m)		0,00	
T C18:1	$\leq 0,05$		
T C18:2 + C18:3	$\leq 0,05$	0,00	
Sterol Composition	Specification		
(% total sterols)	Limit	Analysis Value	Result
Cholestrol	$\leq 0,5$		
Brassicasterol	$\leq 0,1$	0,16	
Campesterol	$\leq 4,0$	0,02	
Stigmasterol	$\leq 4,0$	2,90	
Δ^7 Stigmastenol	$\leq 0,5$	1,00	
Σ Beta-Sitosterol	$\geq 93,0$	0,40	
Σ Sterol (mg/kg)	≥ 1000	94,20	
	$\leq 4,5$	1568,00	
Erythrodiol+Uvaol(% Σ Sterols)		1,50	

The product complies with the specified limits.

Approved by Quality Control Supervisor

CERTIFICATE OF ANALYSIS(COA)

EXTRA VIRGIN OLIVE OIL (NATÜREL SIZMA ZEYTİNYAĞI)

Product Category
Brand

Extra Virgin Olive Oil
EGEMDEN ORGANİK Z.YAĞI

Parameter	Specification Limit	Analysis Value	Result
Free Acidity (oleic acid)(% m/m)	$\leq 0,8$	0,65	
Peroxide Value(meq O ₂ /kg)	≤ 20	11	
Moisture and Volatile Matter(% m/m)	$\leq 0,2$	0,12	
ECN 42	$\leq 0,2$	0,1	
Stigmastadiens (mg/kg)	$\leq 0,05$	0,03	
Wax Content (C42+C44+C46)(mg/kg)	≤ 150	40	
Fatty Acid Ethyl Esters (mg/kg)	≤ 35	20	
UV Absorbance			
E 270 nm	$\leq 0,22$	0,14	
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Behenic Acid (C22:0)	$\leq 0,20$	0,39	
Lignoceric Acid (C24:0)	$\leq 0,20$	0,07	
Trans Fatty Acids (Total Methyl Esters)(%m/m)		0,00	
T C18:1	$\leq 0,05$		
T C18:2 + C18:3	$\leq 0,05$	0,00	
Sterol Composition	Specification	Analysis	Result
(% total sterols)	Limit	Value	
Cholestrol	$\leq 0,5$		
Brassicasterol	$\leq 0,1$		
Campesterol	$\leq 4,0$	0,16	
Stigmasterol	$\leq 4,0$	0,02	
Δ^7 Stigmastenol	$\leq 4,0$	2,90	
Σ Beta-Sitosterol	$\leq 0,5$	1,00	
Σ Sterol (mg/kg)	$\geq 93,0$	0,40	
	≥ 1000	94,20	
	$\leq 4,5$	1568,00	
Erythrodiol+Uvaol(% Σ Sterols)		1,50	

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