

Our reference 2019-537
Company Euro-ei

Delivery date
Date report

6/12/2019
12/12/2019

Code	2BE408803 Ter Ommegang	
	g/100 g fatty acids	mg/100 g egg
C10:0	0.01	1.26
C12:0	-	-
C14:0	0.22	19.39
C15:0	0.07	5.85
C16:0	21.29	1 893.48
C17:0	0.17	15.10
C18:0	8.13	723.48
C20:0	0.07	6.06
C22:0	0.04	3.17
C24:0		
SFA	30.00	2 667.81
C14:1	0.04	3.54
C16:1	2.71	241.39
C17:1	0.12	10.58
c9C18:1	38.49	3 422.87
c11C18:1	1.75	155.98
C20:1	0.18	15.76
C22:1		
C24:1	-	-
MUFA	43.29	3 850.11
C18:2n-6	13.95	1 240.55
C18:3n-6	0.03	2.56
C20:2n-6	0.11	9.50
C20:3n-6	0.13	11.19
C20:4n-6	1.04	92.69
C22:4n-6	0.05	4.70
C22:5n-6	0.03	2.87
n-6 PUFA	15.34	1 364.07
C18:3n-3	6.04	536.85
C18:4n-3	0.04	3.90
C20:3n-3	0.11	9.78
C20:4n-3	-	-
C20:5n-3	0.12	10.96
C22:5n-3	0.41	36.72
C22:6n-3	1.66	148.10
n-3 PUFA	8.39	746.30

Fat content (%)

10.70

(based on total fatty acid content)

Evaluation:

% Fatty acid	Result	Norm	Evaluation
SFA	30.0	max 33%	OK
MUFA	43.3	min 33%	OK
PUFA	23.7	20-33 %	OK
n-6 PUFA	15.3	12-25 %	OK
n-3 PUFA	8.4	min 4 %	OK
n-6/n-3	1.83	max 5	OK

Method: extraction with chloroform/methanol (2/1) followed by base –acid methylation.
Gaschromatographic separation and quantification using C19:0 as internal standard.

Vitamin E content:

37.9 µg alfa tocopherol/g egg ± 1.85

(mean of 3 replicates ± standard deviation)