

 CSIC <small>CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS</small> <small>INSTITUTO DE LA GRASA</small> <small>UNIDAD DE ANÁLISIS</small>	SAMPLE ANALYSIS FORM PHYSICO-CHEMICAL LABORATORY OILS AND FATS SAMPLES	F- PG03-08-17
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INFORMATION:

TO SEND THE REPORT

NAME or COMPANY		V.A.T. N°:	
ADDRESS COMPLETE			
CONTACT PERSON		TELEPHONE	
e-MAIL:			

FOR INVOICING AND PAYMENT (if it differs from the previous one)

NAME or COMPANY		V.A.T./ N.I.F.:	
ADDRESS complete:			
e-MAIL			
PRINCIPAL INVESTIGATOR/ RESPONSIBLE		PROJECT/ N° ACCOUNT	

NOTE:

Minimun quantity for analysis, 150mL. Send the filled form together with the sample to the address stated at the botton of the page

The Laboratory undertakes to:

- Maintain confidentiality and not disclose, disseminate, publish or use the data provided by the client or generated during the analysis.
- Act always in the form of not endangering impartiality, independence and objectivity, neither of the laboratory itself nor of the client.
- There is a claim process that is available to the customer.

More information: www.ig.csic.es/analisis-fisico-quimico

Kind of sample	N° OF SAMPLES	ANÁLISIS TYPE		REPORT TYPE:		
		Sample Individual	Sample Set	Individual	Multiple	Spanish

DETERMINATIONS (See next page) Indicate with an X the box of the Regulation you are requesting.

REGULATION				DETERMINATION
RCEE	COI	OTHERS	at the criterion of the lab.	

OBSERVATIONS: (indicate)

In _____ at _____ of _____ of _____. Sing

Samples sending address:

MOST COMMON TESTS:

Olive oil and olive pomace

Request code		QUALITY CRITERIA	Cost (IVA not incl.)
R (CEE) nº 2568/91 (Annex I)	COI/ T.15/NC nº3		
2. 17	2.15	Acidity_ (Content of free fatty acids) (%)	25,01€
43. 18	43.16	Peroxide value (PV) (mEq O ₂ /kg)	30,60€
55. 19	55.4	K ₂₃₂ , K ₂₆₈ /K ₂₇₀ , Σ K	50,99 €
26. 28	26.9	Fatty acids ethylic esters (mg/kg)	81,30 €
-	32. 10	Phenol content	96,68 €

Request code		CRITERIO DE PUREZA	Cost (IVA not incl.)
R (CEE) nº 2568/91 (Annex I)	COI/ T.15/NC nº3		
10. 21	10.14	Fatty acid composition by GC Content of fatty acids (including trans) in%. Quantification with internal standard 80€. Indicate it in the analysis petition	60,62 €
28. 26	28. 1	Stigmastadiens (mg/kg)	122,36 €
21. 27	21.5	Difference: ECN42 (HPLC) and ECN42(Theoretical calculation)	192,18 €
52. 23	52.6	2-glyceryl monopalmitate (%)	122,36 €
27. 20	27.11	Composition of sterols	122,36 €
66. 20	66.11	Erythrodiol+Uvaol (%)	122,36 €
9. 28	9.9	Waxes (mg/kg)	81,30 €
4. 24	4.8	Aliphatic Alcohols by G.C. (mg/Kg)	122,36 €
-	48.	Matter Unsaponifiable (g/kg)	81,30 €

Fats in general

Request code	Test	Test standard	OBSERVATIONS	Cost (IVA not incl.)
2. 44	Free fatty acids by titrimetric (%)_ (Acidity)	ISO 660:2020		25,01€
3. 44	Acidity index (mg KOH/ g oil)	ISO 660:2020		25,01€
10. 31	Fatty acids composition by G.C. (g/100g fat)	ISO 12966-2: 2017 (4.2) mét. fast and ISO 12966-4:2015		60,62 €
10. 33	Fatty acids composition by G.C. (g/100g fat)	ISO 12966-2: 2017 (4.3) mét. general and ISO 12966-4:2015		60,62 €
11. 13	Glyceridic composition by G.C. (%)	COI/ T.20/ Doc. nº 32, in force		81,30 €
33. 72	Total Phenols (ppm cafeic acid)	Colorimetric method Folin-Ciocalteu.	Ref. Aceites y grasas vol. 24 fasc.6 (1973)	71,11 €
14. 48	Polar compounds in frying fats (% m/m)	ISO 8420:2002		103,19 €
12. 37	Glyceride Composition HPSEC, Polar Fraction.	ISO 18395:2005		92,78 €
22. 74	Diglycerides by G.C. (%)	J. of Chrom. A, 721 ,(1996), 305-314		103,19 €
24. 60	Squalene by G.C. (ppm)	Internal procedure (methylation)		86,68 €
27. 29	Sterols by G.C. (%)	ISO 12228-2:2014		122,36 €
35. 43	Total fat extracted Soxhlet	ISO 659:2009		76,54 €
31. 53	Fat Extraction with hexane in cold	Internal procedure		71,11 €
38. 59	Saturated hydrocarbons aliphatic, exogenous paraffins mineral oil	Internal procedure , based on ISO17780:2015 (SiO2-Ag)		122,36 €
511.96	Hydrocarbons MOSH & MOA (mg/kg)	CEN 16995		332,38 €
39.	Moisture and volatile matters by gravimetry (%)	Internal procedure (PNT-02) , based on 662:2016		30,55 €
40. 45	Insoluble impurities by gravimetry (%)	ISO 663:2017		38,21 €
42. 46	p-anisidine value	ISO 6885:2016		60,62 €
44. 41	Saponification value (mg KOH/ g fat)	ISO 3657: 2020		50,99 €
46. 50	Iodine value	UNE 55.013		50,99 €
48. 39	Unsaponifiable with diethyl ether (%)	ISO 3596:2000		81,30 €
48.83	Unsaponifiable with petroleum ether (%)	ISO 18609:2000		81,30 €
25. 47	RANCIMAT (at a certain temperature, hours)	ISO 6886:2016	Stability in hours	76,54 €
60. 49	Tocopherols by HPLC (mg/Kg)	ISO 9936:2016		96,68 €
64. 35	Polimerized Triglycerides by HPSEC (%)	ISO 16931:2009		92,78 €

Indicate in observations if you request other determinations that are not in the list. You can consult the **COMPLETE LIST** of assays and their prices at www.ig.csic.es, as well as in the edition of the request form in vigor