



**luis jané busquets**  
**laboratori d'anàlisi s.l.**



COMITAT REGULADOR - PPAQ 3214  
**MFAO, Sociedad Rectora**  
**del Mercado de Futuros**  
**del Aceite de Oliva, S.A.**



Recognized by the  
International Olive Council  
for physico-chemical testing  
(01/12/14-30/11/15)

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**Lluís Jané Busquets Laboratori d'Anàlisi S.L.**  
c/ St Llorenç, 27 baixos 08192 Sant Quirze del Valles (Bcn)

**VIDORIA S.L.**  
**Ctra. Reus-Cambrils Km 4,5**  
**43206 - Reus**  
**TARRAGONA**

Report nº. 20\_225

**ANALYSIS CERTIFICATE**

St. Quirze del Vallès 09/03/2020  
Dear Sirs,

**CLIENT:** TAISUN ENTERPRISE CO.,LTD. 10FL, NO.99, SEC.2, CHANG AN E.ROAD TAIPEI TAIWAN

We send you this CERTIFICATE OF ANALYSIS from VIDORIA, S.L.

(Ctra. Reus-Cambrils Km. 4, 5) 43206 REUS (Spain) of this **GRAPE SEED OIL**, , 2,200 cartons x 6 glass bottles of 1000ml 50 cartons x 12 glass Bottles of 250 ml of GRAPE SEED OIL, BRAND: CHEF OIL; sample Ref. Lot 738, TOTAL: 12,229 kilos.

**RESULTS**

- Free Acidity (% Oleic Acid) ..... 0.05%  
PNT-RT-50
- Acid Value (mg KOH/g)..... 0.10 mg KOH/g  
PNT-RT-50
- Peroxide value ( meq/Kg)..... 2.1 meq/Kg  
PNT-RT-20
- \*Fatty Acid Composition (Quantitative %) :  
RCEE 2568/91 A-X in force

Lauric.....	N/D
Myristic.....	0.04%
Palmitic.....	6,64%
Palmitoleic.....	0,19%
Heptadecanoic.....	0,01%
Heptadecenoic.....	N/D
Stearic.....	3,85%
Oleic.....	15,90%
Linoleic.....	72,60%
Linolenic.....	0,21%
Arachidic.....	0,18%
Eicosenoic.....	0,20%
Behenic.....	0,05%
Erucic.....	0,03%
Lignoceric.....	0,05%
- \*Trans fatty acids:C18:1T=0,05%  
PNT-RT-04 C18:2T+C18:3T=0,04%

The analytical determinations and activities marked with a (\*) are not included in the Enac accreditation scope.

The uncertainty value of the quantitative tests is at the customer's disposal.

This analysis report corresponds exclusively to the received and analyzed sample.

The results are considered the client's property and its total or partial reproduction is not allowed without the written authorization of the laboratory.



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- Vitamin E Composition:  
 $\alpha$ -tocopherol=28 mg/kg;  $\beta$ -tocopherol=32 mg/kg;  $\gamma$ -tocopherol=46 mg/kg;  $\delta$ -tocopherol= 1.5 mg/kg;  
 $\alpha$ -tocotrienol=38mg/kg;  $\gamma$ - tocotrienol =166mg/kg;  $\delta$ - tocotrienol = 1.3 mg/kg;  
Total Vitamin E= 302 mg/kg
- \*Total Sterol =2,488,-ppm  
PNT-RT-06
- Sterol Composition:  
PNT-RT-06  
Cholesterol=0.10%; Brassicasterol=0.1%;Campesterol=8.7 ; Stigmasterol=8.9%; Beta-Sitosterol=66.00  
Delta-5-Avenasterol=2.7%; Delta-7-Stigmastenol=1.8 %;Delta-7-Avenasterol=0.81%; Others=2.50 mg/kg
- Wax: clear
- Molsture & volatile matter= 0.02
- Iodine: 135 hw
- Copper: 0.2 ppm
- Mercury: 0.01 ppm
- Arsenic: 0.01 ppm
- Lead: 0.01 ppm
- Tin: < 250mg/kg
- Benzopyrene:<1 ppb
- Aflatoxin: 2.2 ppb
- Lovibond 5 ¼" cell yellow: 9.2
- Lovibond 5 ¼" cell red: 0.2
- Lovibond 5 ¼" cell blue: 2.8

CONCLUSIONS

The analytical determinations requested comply with CODEX STAN 210 1999 Rev.2011 Regulations governing the quality of Grapeseed Oil fit for human use.

Yours faithfully, signed by General Manager Lluís Jané.

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CLIENT: TAISUN ENTERPRISE CO.,LTD. 10FL, NO.99, SEC.2, CHANG AN E.ROAD TAIPEI TAIWAN

SAMPLE DESCRIPTION: GRAPE SEED OIL, Ref. LOT 738  
GROSS WEIGHT: 0.916 KG =1 LITER

**REAL TIME QUANTITATIVE PCR ANALYSIS**

LIMIT OF DETECTION: 0.1%

TEST GRAPE REFERENCE GENE: no grape seed dna detected

TEST 35S PROMOTER REAL TIME QUANTITATIVE: no GMO detected, qualified by  
reference gene result.

Yours faithfully, signed by General Manager Lluís Jané.

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