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



**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. 22\_0332

**ANALYSIS CERTIFICATE**

St. Quirze del Vallès 06/06/2022  
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 **RICE BRAN OIL** , 6.600 cartons with 6 glass bottles of 1000ml total 39.600 bottles sample Ref. Lot 1141 TOTAL:36.274 kilos.

**RESULTS**

- Free Acidity (% Oleic Acid) ..... 0.09%  
PNT-RT-50
- Acid Value (mg/KOH/g)..... 0.18 mg KOH/g
- Peroxide value (meq/Kg)..... 1.1. meq/Kg  
PNT-RT-20
- \*Fatty Acid Composition (Quantitative %) :  
RCEE 2560/91 A-X in force
  - Lauric.....0.01%
  - Myristic..... 0.42%
  - Palmitic. .... 19.45%
  - Palmitoleic..... 0.25%
  - Heptadecanoic..... 0.04%
  - Heptadecenoic..... 0.01%
  - Stearic..... 2.14%
  - Oleic ..... 42.06%
  - Linoleic..... 32.26%
  - Linolenic.....1.35%
  - Arachidic..... 0.81%
  - Eicosenoic..... 0.43%
  - Behenic..... 0.27%
  - Erucic..... 0.04%
  - Lignoceric..... 0.45%
- Vitamin E Composition:  
α-tocopherol=34 mg/kg; β-tocopherol=3 mg/kg; γ-tocopherol=15 mg/kg; δ-tocopherol= 1.3 mg/kg;  
α-tocotrienol=34 mg/kg; γ- tocotrienol =202 mg/kg; δ- tocotrienol = 1.1 mg/kg;
- Solvent Residue :0.01ppm

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.  
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- Sterol Composition:  
PNT-RT-06  
Cholesterol=0.1 %; Brassicasterol=0.2%; Campesterol=10 ;  
Stigmasterol=12%; Beta-Sitosterol=45%  
Delta-5-Avenasterol=1.4%; Delta-7-Stigmasterol=1.8%; Delta-7-Avenasterol=2.6%; Others=7.4,00 mg/kg
- Moisture & volatile matter= 0,03
- Iodine: 85 hw
- Copper: 0.2 ppm
- Tin: 0.01 ppm
- Arsenic: 0.02 ppm
- Lead: 0.01 ppm
- Benzopyrene: <1 ppb
- Aflatoxin: < 2.0 ppb
- TPM: 1%
- Lovibond 5 ¼" cell yellow: 25
- Lovibond 5 ¼" cell red: 3.1
- Transfatty Acid Composition
 

*Ac.9t-14:1 .....	<0.01%
*Ac.9t-16:1 .....	<0.01%
-Oleic Trans Isomers (6t-18:1+9t-18:1+11t-18:1 .....	0.11%
-Ac.9t,12t-18:2 .....	0.06%
-Ac.9c,12t-18:2 .....	0.17%
-Ac.9t,12c-18:2 .....	0.11%
-Ac.9t,12t,15t-18:3 .....	<0.01%
-Ac.9t,12t,15c-18:3 .....	<0.01%
-Ac.9t,12c,15t-18:3 .....	<0.01%
-Ac.9c,12t,15t-18:3 .....	<0.01%
-Ac.9c,12c,15t-18:3 .....	0.06%
-Ac.9c,12t,15c-18:3 .....	0.01%
-Ac.9t,12c,15c-18:3 .....	0.04%
Oleic, Linoleic and Linolenic Trans Isomers .....	0.67%
(18:1+18:2+18:3)	

CONCLUSIONS

The analytical determinations requested comply with UE Regulations N°2568/91 governing the quality of RICE BRAN 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: RICE BRAN OIL , Ref. LOT 1141

GROSS WEIGHT: 0.916 KG =1 LITER

**REAL TIME QUANTITATIVE PCR ANALYSIS**

LIMIT OF DETECTION: 0.1%

TEST RICE REFERENCE GENE: no RICE BRAN OIL 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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