

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. 19_640

ANALYSIS CERTIFICATE

St. Quirze del Vallès 10/05/2019

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**, 2200 cartons with 6 glass bottles of 1000ml – sample Ref. Lot 587, TOTAL:12,091 kilos.

RESULTS

- Free Acidity (% Oleic Acid) 0.14%
PNT-RT-50
- Acid Value (mg/KOH/g)..... 0.28%
- Peroxide value (m.e.q. of O₂/ Kg. oil) 1.5 meq
PNT-RT-20
- *Fatty Acid Composition (Quantitative %) :
RCEE 2568/91 A-X in force

Lauric.....	0.03%
Myristic.....	0.45%
Palmitic.....	18.00%
Palmitoleic.....	0.19%
Heptadecanoic.....	0.04%
Heptadecenoic.....	0.01%
Stearic.....	2.04%
Oleic.....	40.60%
Linoleic.....	34.90%
Linolenic.....	1.23%
Arachidic.....	0.84%
Eicosenoic.....	0.51%
Behenic.....	0.27%
Erucic.....	0.04%
Lignoceric.....	0.43%
- Vitamin E Composition:
α-tocopherol=75 mg/kg; β-tocopherol=20 mg/kg; γ-tocopherol=31 mg/kg; δ-tocopherol= 0.80 mg/kg;
α-tocotrienol=83 mg/kg; γ- tocotrienol =520 mg/kg; δ- tocotrienol = 1.8 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.

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.



lluis jané busquets
laboratori d'anàlisi s.l.



LABORATORIO RECONOCIDO - MFAO 2014
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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- Sterol Composition:
PNT-RT-06
Cholesterol=0.1 %; Brassicasterol=0.2%; Campesterol=18 ;
Stigmasterol=21%; Beta-Sitosterol=40%
Delta-5-Avenasterol=1.1%; Delta-7-Stigmastenol=1.9%; Delta-7-Avenasterol=2.9%; Others=7.5.00 mg/kg
- Moisture & volatile matter= 0.04
- Iodine: 100.68 hw
- Copper: 0.2 ppm
- Tin: 0.01 ppm
- Arsenic: 0.01 ppm
- Lead: 0.01 ppm
- Benzopyrene:<1 ppb
- Aflatoxin: 3.9 ppb
- TPM:1%
- Lovibond 5 ¼" cell yellow: 32
- Lovibond 5 ¼" cell red: 3.5
- 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.....	0.23%
-Ac.9t,12t-18:2.....	0.08%
-Ac.9c,12t-18:2.....	0.24%
-Ac.9t,12c-18:2.....	0.16%
-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.....	0.07%
-Ac.9c,12t,15c-18:3.....	0.01%
-Ac.9t,12c,15c-18:3.....	0.06%
Oleic, Linoleic and Linolenic Trans Isomers.....	0.87%
(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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