



## Results of the **Spanish** and **European** Self-Control Campaigns of 2024

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27 MARCH 2025



# NATIONAL CAMPAIGN 2024

## Members



## Sampling Scope

**40** plant samples (Senior technician at AZTI).  
**20** market samples (Senior technician at CNTA).  
**60** samples in total.

## Plant Inspections

**9** Manufacture plant inspections  
(Senior technician at AZTI)

## Collaborative institutions



(National Centre For Food Technology)



(Marine and Food Research Center)



Laboratorio arbitral agroalimentario  
(LAA)  
(Food and Agriculture Arbitration Laboratory-  
Ministry of agriculture, fisheries and food)

## 16 operators assessed

**48** samples analysed (**12** follow-up)  
+ **4** samples of EJCS campaign

## Analysis Scope

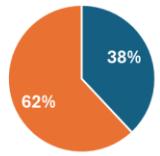


- ✓ **Product name and specific provisions:** Juice Directive; Reg. 1169/2011.
- ✓ **List of ingredients.** Juice Directive; Reg. 1169/2011.
- ✓ **Nutrition and health claims.** Reg. 1924/2006 and Reg.432/2012.
- ✓ **“Gluten free” statement.** Rto. 828/2014.
- ✓ **Nutrition table:** Guidance document for competent authorities for the control of compliance with EU legislation to the setting of tolerances for nutrient values declared on a label

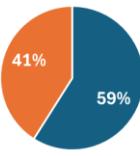
	Type of product
<b>Sugars and sorbitol</b> (and related calculations)	All type of fruits, peach, pear, mango, maracuyá
<b>Anions and cations</b> (Ca, Mg, P, K, Na, sulfate, nitrate)	All type of fruits
<b>Organic acids</b> (and related calculations)	All type of fruits
<b>Absolute quality requirements</b> (Rel. Density 20/20, refractometric Brix)	All type of fruits
<b>Contaminants</b> (Patulin, ochratoxin, ethanol, sulphur dioxide (IFU 7a-IC-2018; IC-PAD))	Grape, apple, all type of fruits
<b>Sugar addition</b> (isomaltose, maltose, invert sugar, inulin)	Only in juices
<b>Aminoacid-related components</b> (formol index, proline index)	All type of fruits, orange, mandarin
<b>Soluble pectins and Pulp</b>	Orange, mandarin, pineapple
<b>Vitamins</b> (L-ascorbic acid, vitamin E, provitamin A, vitamin A, vitamin C, vitamin D)	Orange, mandarin, nectars, nutrition declaration
<b>Isotope parameters</b>	Specific samples (3) (D/H) I (D/H) II R Delta <sup>18</sup> O Delta <sup>13</sup> C(sugars) Delta <sup>13</sup> C (alcohol)

## Analysis Scope (samples analyzed)

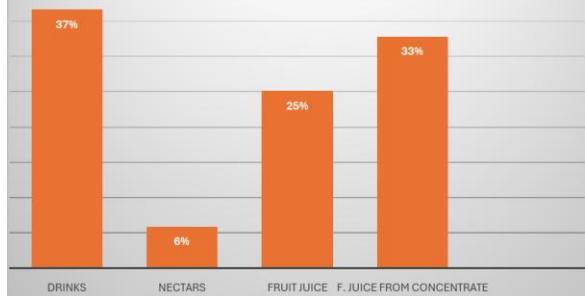
Operators



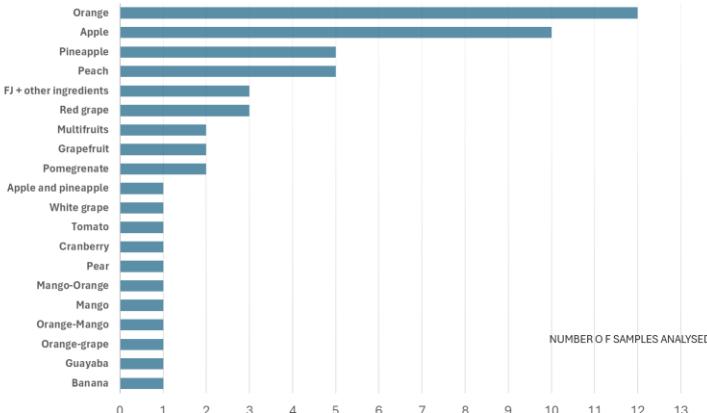
Provenance of samples



Kinds of products



FLAVOURS

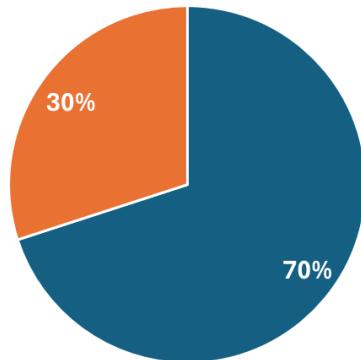


## Overview

- **16** food operators checked.
- **3 samples** significantly deviated **in composition**, from **two economic operators**, produced by **the same juice manufacturer**. Flavours in question: apple, peach, grape, from concentrate and **organic agriculture**.
- **7 samples** with important issues in **labelling related to health and nutrition claims**.



**70 % samples correct**



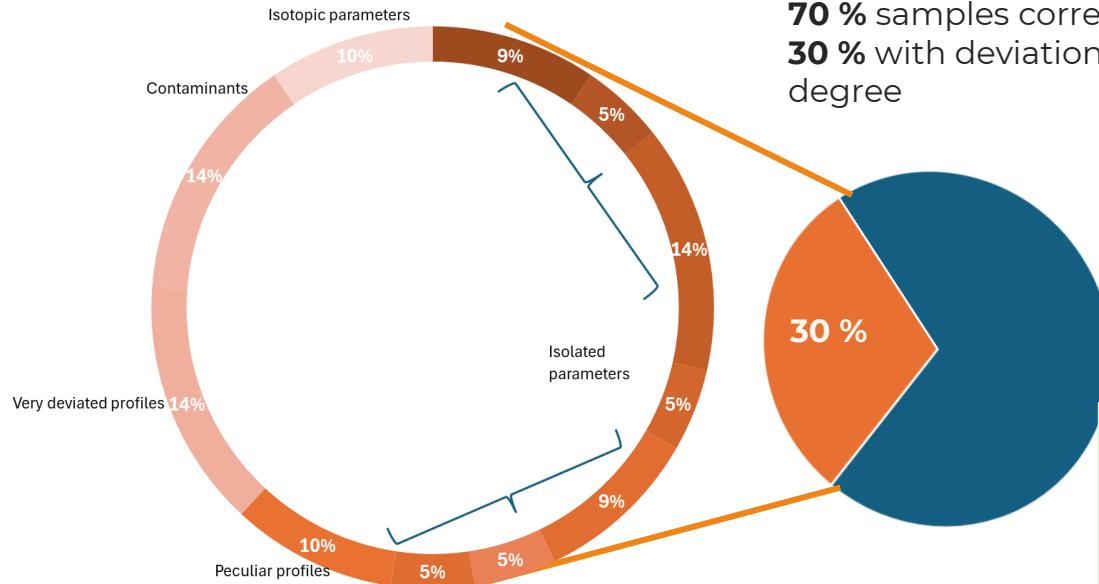
**50 % samples correct**



**13** information letters  
**23** warning letters requesting  
corrective actions



## Analytical Overview


**Isolated parameters:**

Sorbitol high  
Low D-isocitric acid  
Low malic acid  
High citric acid  
Low pectins  
Low formol index  
Low sucrose

**11**

- 2 Peach drink; apple juice
- 1 Banana and grape drink
- 3 Pomegranate and grape drink; apple juice; direct grape juice
- 1 Direct grape juice
- 2 Orange juice; grapefruit juice
- 1 Orange juice from conc.
- 1 Grapefruit juice; grape-orange drink

**Peculiar profiles:**

Sugar profile altered: High G and F and High isomaltose  
High glucose and low citric acid

**2**

- 1 Pineapple juice (eco) (countersample analyzes by producer)
- 1 Apple juice (eco)

**Very deviated profile**
**Contaminants**

Patulin (>50 microg/L)  
SO<sub>2</sub> (>10 mg/L; presence)

**3**

- 1 Apple-pineapple juice
- 2 2 grape juice (conventional and eco)
- 2 Apple juice; grape juice

**Isotopic parameters**



## Very deviated profiles

1 producer  
3 organic juices

### Apple juice:

- High citric acid
- Low malic acid
- Low formol index
- Low potassium
- High sucrose
- High C13 sugars, C13 ethanol and D/H1 ethanol
- Low SFE



### Grape juice from organic agricultura:

- Presence SO2
- High sucrose
- High citric acid
- High C13 sugars and C13 ethanol



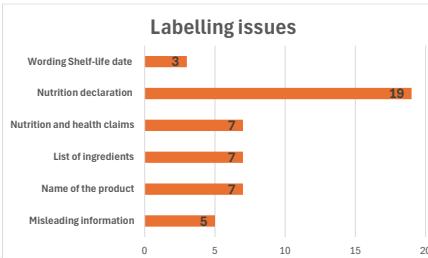
### Peach juice:

- Low formol number
- Low citric acid
- Low phosphorus
- Low potassium



Compromise:  
Change to  
IRMA provider  
(2023)

**50 % samples correct**  
With diverse degree of importance



## Labelling Overview

### Nutrition declaration:

- Sugar conc. declared different from the measured value (4)
- Vitamin conc. /minerals declared lower than measured (3)
- Vitamin conc. /minerals declared higher than measured (> 50 % tolerance) (1)
- Energy value in the front of packaging without "Energy value" (9)
- NRVs instead of RI for vitamins and minerals (1)
- Dietary fibre instead of Fibre (2)

### Misleading information (Art. 7; Reg. 1169/2011):

- "No added sugars" or similar claims (4).
- Without gluten (1).

### List of ingredients:

- "with no flavourings nor colourings, nor stabilizers, nor sweeteners, nor water added" (3)
- "Fruit juice and puree partially from concentrate in varying proportions". Juice and puree should not be bundled partially from concentrate as a single ingredient. The formula "in variable proportion" is reserved for fruits, vegetables and mushrooms and not for products derived from them. Regulation 1169/2011 Annex VII Part A4.(1)
- (vitamin C) as ingredient since it is added with an antioxidant function and not to enrich. In addition, the value of vitamin C is not included in the nutritional table. (1)
- Lack of percentage of ingredients (2)

### Product name:

- Legal name "farm juice/zumo de finca"(3)
- Labelled drink when it is juice (1)
- Labelled juice when the ingredients are out of the scope of the FJ Directive "(3)

### Nutrition declaration (7 samples; 3 operators):

- "Packaged with all nutrients": Unauthorized nutrition claim (Regulation 1924/2006 annexed).
- "B vitamin to help reduce tiredness and fatigue": Specify which specific vitamins are associated with that health claim. Indicate: Vitamin B6, vitamin B12, vitamin B2, and vitamin C help reduce tiredness and fatigue. Vitamin B1 and vitamin B3 are added, which do not have this authorized health claim. Regulation (EU) No. 432/2012.
- "Vitamin D to preserve healthy and strong bones and teeth": The statement is considered to comply with the principles of flexibility. However, the importance of a varied and balanced diet and a healthy lifestyle remains to be indicated.
- \_\_\_\_\_

Among fruits and vegetables, pomegranate is the one that provides us with the most antioxidants, according to current studies. It is indicated "Rich in antioxidants". It is an unauthorized nutritional claim (regulation 1924/2006). It is indicated that pomegranate is the vegetable that provides the most antioxidants. Unauthorized health declaration (Regulation 1924/2006).

Rich in vitamins, antioxidants and minerals. It is indicated that it contains vitamins and minerals, but it is not indicated which ones have not been included in the nutritional table.

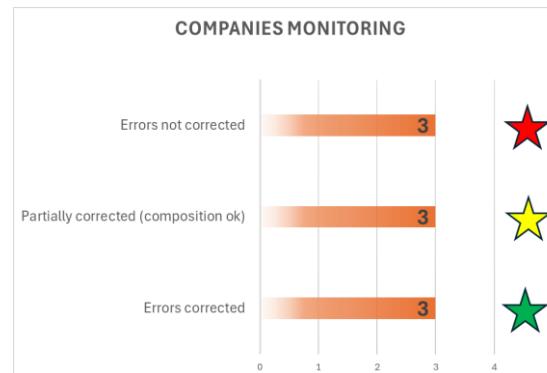
- Contains an unauthorized nutrition claim. Regulation 1924/2006: "Contains natural antioxidants".
- \_\_\_\_\_

• "Healthier" Generic health claim not accompanied by a specific authorized claim. (Regulation 1924/2006 Article 10.3)

## Corrective actions

Company	Informative letters	Letters of request	Answers from companies	Cases informed to the Control Authority
SEAZN	12	11	16	
No SEAZN	--	12	8	

## Follow-up



**More** actions in 2024



**General subdirectorate of Laboratories and Quality control  
(Ministry of Agriculture, Food and Fisherie)**

Follow-up of samples informed to the Competent  
Authorities.



**SEAZN Commissions**



## Orange juice: 4 samples of national market: pass with remarks



Parameters	Scope
H <sup>+</sup> -NMR Perfil	x
Sodio	x
Calcio	x
Nitrato	x
Pulpa	x
delta <sup>18</sup> O	x
Perfil de oligosacáridos por LOW	x
Glucósidos de Flavonoides	x*
Delta <sup>13</sup> C (azúcares, pulpa, ácidos)	x

\*Only in direct juice.

Orange juice	Evaluation
NFC	passed (check of traceability recommended due to slightly deviating sugar profile)
NFC	passed (check of traceability recommended due to slightly deviating sugar profile)
FC	passed (water for reconstitution to be checked)
FC	passed (water for reconstitution to be checked, sucrose inversion)





# ¡GRACIAS!



**[zumosygazpachos.com](http://zumosygazpachos.com)**

[sgaston@zumosygazpachos.com](mailto:sgaston@zumosygazpachos.com)

Calle de Velázquez, 64, 3<sup>a</sup> planta - 28001, Madrid

