

PT 27: Fruits juices and other beverages without alcohol

Details of the program:

- Proficiency testing scheme created in 1994
- **71 registered laboratories from 23 countries**
- **PTS accredited by COFRAC**
- 10 rounds per annual series
- The time for analysis is 4 weeks (*with the exception of the smoothie, which is 3 weeks*).
- Samples are shipped via express carrier around the 15th of the month.



Schedule:

DATE	CODE	MATRIX	VOLUME
September	0127	Pineapple juice	<i>Between 250 ml and 1000 ml depending on the matrix</i>
October	0727	Apple juice	
	3427	Orange juice with stevia	
November	1127	Tomato juice	
	1827	Cola	
December	1227	Lemon concentrate*	
	2827	Lemon juice	
	2427	Spiked orange juice*	
January	2727	Spiked apple juice*	
	1427	Apple Blackcurrant beverage	
February	1327	Orange concentrate*	
	0227	Orange juice	
	1927	Light soda	
March	0927	Apricot nectar	
	2027	Tonic	
April	0427	Grape juice	
	0527	Grapefruit juice	
May	2527	Smoothie*	
	1727	Orange syrup	
June	3227	Spiked grape juice*	
	2327	Prune juice	

* Frozen/Refrigerated samples

ANALYTES

Physical analysis: Relative density, refractometric dry extract at 20°C (Brix), Haze, Cielab color characteristics (L*, a*, b*), optical density (420, 520 nm), turbidity, soluble solids, total dry residue, ashes, sugar free dry extract

Sugars: Sugar free dry extract, Glucose, Fructose, Sucrose, Maltose, Sorbitol, total sugars, glucose-fructose ratio, % of sucrose of the sugar

Organic acids: pH, Titrable acidity, citric acid, fumaric acid, total lactic acid, d-lactic acid^{NA}, l-lactic acid^{NA}, d-malic acid^{NA}, l-malic acid, d-isocitric acid, tartaric acid, sorbic acid, benzoic acid, ascorbic acid, parahydroxybenzoic acid^{NA}, citric acid, Formol index

Other organic compounds: HMF, Ethanol, Pectins (total^{NA}, hydrosolubles), total carotenoides, Cryptoxanthin ester^{NA}, Caffeine, Taurine, glucuronolactone^{NA}, Quinine^{NA}, Limonine^{NA}

Essential oils

Sugar substitutes: aspartame^{NA}, acesulfame K, saccharinate Na^{NA}, acesulfame^{NA}, sucralose^{NA}, cyclamate^{NA}, Rebaudioside A^{NA}

Non-organic compounds – cations: Na, K, Ca, Cu, Mg, Fe, P

Non-organic compounds – anions: Nitrates, Chlorides, Phosphates, Sulfates^{NA}

Other non-organic compounds: Phosphoric acid^{NA}, Carbone dioxide, total sulfur dioxide^{NA}

Parameters for energy value determination:

Total proteins, total fat, total carbohydrate, dry matter, ashes, sodium, total sugar

Vitamin C

All the analytes mentioned aren't offered in each matrix, it depends on the matrix. If you would like to know the list of the analytes for one matrix, please contact our sales department: sales@bipea.org

NA *: Not accredited.

Note: Matrices and analytes may be changed or removed for technical or scientific reasons.

Please refer to current application form available in your member area (www.bipea.org).