

Parameter Examined	Reported Value
Aroma	Characteristic
Taste	Characteristic
Color	Characteristic
Arsenic (mg/100g)	Not detected
Lead (mg/100g)	Not detected
Copper (mg/100g)	0.02
Iron (mg/100g)	1.60
Mercury (mg/100g)	Not detected
Zinc (mg/100g)	0.03
Potassium (mg/100g)	146.69
Sodium (mg/100g)	389.47
Calcium (mg/100g)	89.14
Magnesium (mg/100g)	14.25
Ascorbic Acid (mg/100g)	30.90
Brix*	65.00
Acidity (%)	3.93
pH (10% solution)	3.94
Ash (%)	1.38
Sugar (g/l)	35.12
Sucrose (g/l)	70.09
Glucose (g/l)	15.78
Fructose (g/l)	12.25
Formol number	10.00
Heptachlor (mg/Kg)*	Not detected
Difenoconazole (mg/Kg)*	Not detected
Tebuconazole (mg/Kg)*	Not detected

The said sample of Orange Juice Concentrate is Good for all type of Human and Industrial consumption.

RESULTS

Sensorical Report	: Bright Yellow
Colour	: Marked
Aroma	: Orange fruity, pure
Flavour	

Chemical-Physical Report

Brix	: 65.20
Brix, corrected	: 65.56
Acidity	: 3.7
Ratio	: 17.5
pH	: 3.5

Microbiological Report

Total plate count (cfu/g)	: 2
Total coliforms (MPN/g)	: Not Detected
Fecal coliforms (MPN/g)	: Not Detected
E.coli (MPN/g)	: Not Detected
Salmonella spp./25g	: Not Detected
Staph. Aureus (cfu/g)	: Not Detected
Yeast & Mold count/g	: < 10

Pesticides Report

Methidathion	: <0.010 mg/kg (not detectable)
Carbofuran	: <0.005 mg/kg (not detectable)
Pyraclostrobin	: <0.005 mg/kg (not detectable)
Imidacloprid	: <0.010 mg/kg (not detectable)

Heavy Metals Report

Arsenic	: Not Detected
Lead	: Not Detected
Tin	: Not Detected
Zinc	: <0.5 mg/l
Copper	: <0.41 mg/l

Physico-chemical analysis

Parameter	Method	Unit	Value
Brix ref.	IFU 8 (Rev 2017)	°Brix	66,1

Measurement of stable isotope ratios

Parameter	Method	Unit	Value
$\delta^{13}\text{C}$ -Sugars	DIN V ENV 12140 1996-12	‰ V-PDB	-19,82
$\delta^{13}\text{C}$ -Pulp	DIN V ENV 13070 1998-07	‰ V-PDB	-27,82
Difference $\delta^{13}\text{C}$ -Pulpe/-Zucker	calc.	‰ V-PDB	-8,00

^1H -NMR analysis

Parameter	Method	Value
Bruker Juice Profiling*	^1H -NMR, AA-M-209 Rev. 06	See appendix