

Analytical services for juices/ fruit purees

status: July 2021

1. NMR- analytics by SGF Profiling™ (3.0 specifications)

code	Description (fruit)	explanation
601	Apple	1. Qualityparameters according specifications of SGF Profiling™ 2. Confirmation of the geogr. origin China, Poland/Germany, Turkey, Brazil, Spain/Italy, Hungary
602	Orange/ Mandarin	1. Qualityparameters according specifications of SGF Profiling™ 2. Confirmation of the geogr. origin Spain, Greece, Brazil, Belize/Costa Rica/Cuba, Mexico, USA, Argentina/Uruguay/Paraguay 3. Detection of mixture Orange/ Mandarin
603	Peach/ Apricot	1. Qualityparameters according specifications of SGF Profiling™ 2. Detection of mixture Peach/ Apricot
604	Lemon	1. Qualityparameters according specifications of SGF Profiling™ 2. Confirmation of the geogr. origin Argentina, Spain/Italy
605	Pineapple	1. Qualityparameters according specifications of SGF Profiling™ 2. Confirmation of the geogr. origin Asia, Middle America, Brazil
606	Sour Cherry	1. Qualityparameters according specifications of SGF Profiling™ 2. Confirmation of the geogr. origin Turkey, Poland
607	Mango	1. Qualityparameters according specifications of SGF Profiling™ 2. Confirmation of the geogr. origin Mexico, India
600	further fruit juices/purees by SGF profiling™	1. Qualityparameters according specifications of SGF Profiling™

Further fruits on request

2. residues

code	description	technology	LOQ
500	Pesticides XXL(>700 substances) ^{aU)}	GC-MS/MS, LC-MS/MS	0,01mg/kg

3. metals /elements

code	description	technology	LOQ
50000	sample preparation ¹⁾	acid hydrolysis	---
code	description	technology	LOQ
50200	arsenic	ICP-MS	0,01 mg/kg
50400	cadmium	ICP-MS	0,02 mg/kg

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50300	lead	ICP-MS	0,02 mg/kg
50600	mercury	ICP-MS	0,005 mg/kg
	packages	description	
701	Heavy metals 1 (code: 50300, 50400, 50600, 50000)	lead, cadmium, mercury incl. acid hydrolysis	

Further metals/ elements on request

4. microbiology

code	description	technology	LOQ
70160	sample preparation ²⁾	---	---
code	description	technology	LOQ
70164	aerobic sporeforming	ASU L 00.00-88 (§ 64 LFGB)	---
70169	coliforme germs	ASU L 01.00-3 (§64 LFGB)	10 cfu/g
70168	E-Coli	ISO 16649-2	10 cfu/g g
70162	enterobacteria ^{aU)}	ASU L 00.00-133/2 (§64 LFGB)	10 cfu/g
70199	listeria monocytogenes ^{aU)}	ISO 11290-1	pos./neg./25g
70161	total aerobic mesophyll bacteria count	ASU L 00.00-88/2 (§64 LFGB)	10 cfu/g
70166	mold	ASU L 01.00-37 (§64 LFGB)	10 cfu/g
70163	salmonella ^{aU)}	ASU L 00.00-98 (§64 LFGB)	pos./neg./25g
70198	staphylococcus (coagulase positive) ^{aU)}	ASU L 00.00-55 (§64 LFGB)	100 KBE/g
70165	sulfite-reducing clostridia ^{aU)}	ASU L 06.00-39 (§64 LFGB)	10 cfu/g
70167	yeasts	ASU L 01.00-37 (§64 LFGB)	10 cfu/g

^{a)} accredited method

^{aU)} accredited method by sub-order lab

¹⁾ for metal analysis, it is important to make the sample preparation first. Afterwards it is possible to analyze up to 10 different metals per sample.

²⁾ for microbiologic analysis, it is important to make the sample preparation first. Afterwards it is possible to analyze further different microbiologic analysis per sample.

Further analyses on request

All prices in EURO excluding VAT

Conditions of payment: 14 days from date of invoice

Sample amount: minimum 200ml per sample just for NMR, 500ml per sample for further analytics

Processing time: - normally 2-3 days for NMR, metals
- normally up to 5 days for residues, microbiology



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- Storage:
- samples will be stored until 3 weeks at temperature 4°C
 - concentrates will be stored until 3 months at temperature 4°C