

Specification sheet for routinely available tests for various fruits in SGF Profiling release 3.0



	Apple	Orange	Lemon	Pineapple	Sour Cherry	Mango	Grapefruit	Mandarin	Blood Orange	Grape	Pear	Black Currant	Raspberry	Peach	Apricot	Passion Fruit	Strawberry	Guava	Pomegranate	Cranberry	Lime	Banana
Verification																						
untargeted analysis	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
fruit content	x	x	x	x	x		x	x	x			x	x			x	x		x			
mixture detection		1						1						2	2							
Quantification																						
4-aminobutanoic acid		x	x		x	x	x	x	x	x		x	x			x						x
acetaldehyde	x	x			x		x	x	x		x			x	x	x						
acetoine	x			x							x					x						
alanine	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
arbutin	x										x											
arginine		x						x	x													
benzaldehyde	x	x	x	x	x	x	x	x	x		x	x	x									x
benzoic acid	x	x	x	x		x	x	x	x		x	x		x	x				x			x
chlorogenic acid	x										x											
citramalic acid	x																					
citric acid	x	x	x			x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x
ethanol	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
formic acid	x	x	x		x	x	x	x	x	x	x	x		x	x		x					x
fructose	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
fumaric acid	x				x																	
galacturonic acid	x	x	x		x		x	x	x	x	x	x	x				x		x	x	x	
gluconic acid										x												
glucose	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
HMF	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
isocitric acid			x																			x
lactic acid	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
malic acid	x	x	x		x		x	x	x	x	x			x	x	x	x	x	x			x
methanol	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			x				x
phlorin		x	x				x	x	x													x
proline	x	x					x	x	x		x					x						
pyruvic acid	x										x											
quinic acid	x										x											
shikimic acid						x					x											
sorbic acid	x	x	x	x		x	x	x	x	x	x	x	x	x	x							x
succinic acid	x	x	x		x	x	x	x	x	x	x		x	x	x		x					x
sucrose	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
xylose	x										x											
Calculated values																						
glucose/fructose	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
% sucrose	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
total sugar	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
malic/quinic acid	x																					
Regression values																						
titratable acids	x	x																				
potassium	x	x																				
magnesium	x	x																				
Classification																						
origin	3	4	5	6	7	8																
product type	x	x	x	x																		
orange variety		x						x	x													

1 Mixture of mandarin and orange
 2 Mixture of peach and apricot
 3 Available origins: China; Poland/Germany; Turkey; Brazil; Spain/Italy; Hungary
 4 Available origins: Spain; Greece; Brazil; Belize/Costa Rica/Cuba; Mexico; USA; Argentina/Uruguay/Paraguay
 5 Available origins: Argentina; Spain/Italy
 6 Available origins: Asia; Middle America; Brazil
 7 Available origins: Turkey; Poland
 8 Available origins: Mexico; India

Please feel free to ask about additional fruits not shown here, as further analyses might be available.