

RECOMMENDED DISPERSIVE QuEChERS KITS

BEKOlut®
QuEChERS KITS

ACCORDING TO FOOD GROUPS

Product group	Sample material	Typical water content g/100 g	Water addition extraction g/10 g sample	Water addition extraction g/5 g sample	BEKOlut® QuEChERS PSA-Kits	
Fruits					EN	AOAC
Citrus fruits	Citrus juices	90			PSA-Kit-03 PSA-Kit-04	PSA-Kit-03A PSA-Kit-04A
	Grapefruit	90				
	Lemon/lime [1]	85				
	Orange	85				
	Orange peel	75	2.5			
	Mandarin	90				
Pome fruit	Apple	85			PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Apple, dried	30		8.5		
	Applesauce	80				
	Apple juice	90				
	Pear	85				
	Quince	85				
Stone fruit	Apricot	85			PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Apricot, dried	30		8.5		
	Apricot nectar	85				
	Cherry	85				
	Mirabelle	80				
	Nectarine	85				
	Peach	90				
	Peach, dried	20		8.5		
	Plum	85				
Plum, dried	20		8.5			
Small & soft fruits	Blackberry	85			PSA-Kit-05 PSA-Kit-06 PSA-Kit-07 PSA-Kit-08	PSA-Kit-05A PSA-Kit-06A
	Blueberry	85				
	Currant [1]	85				
	Elderberry	80				
	Gooseberry	90				
	Grape	80				
	Raspberry [2]	85				
	Raisin	20		8.5		
	Strawberry	90				
Other fruits	Pineapple	85			PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Bananas	75	2.5			
	Fig, dried	20		8.5		
	Kiwi	85				
	Mango	80				
	Papaya	90				



Product group	Sample material	Typical water content g/100 g	Water addition extraction g/10 g sample	Water addition extraction g/5 g sample	BEKOlut® QuEChERS PSA-Kits	
Vegetables					EN	AOAC
Root & tuber vegetables	Beets	90			PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Carrots	90				
	Celeriac	90				
	Horseradish	75	2.5			
	Parsley root	90				
	Radish	95				
	Black salsify	80				
	Potato	80				
Leek vegetables	Garlic	60		7	PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Onion	90				
	Leek	85				
	Shallot	80				
	Chives	85			PSA-Kit-05 PSA-Kit-06 PSA-Kit-07 PSA-Kit-08	PSA-Kit-05A PSA-Kit-06A
Fruiting vegetables	Eggplant	90			PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Pickle	95				
	Melon	90			PSA-Kit-05 PSA-Kit-06 PSA-Kit-07 PSA-Kit-08	PSA-Kit-05A PSA-Kit-06A
	Paprika	90				
	Pumpkin	95				
	Tomato	95				
	Zucchini	95				
Cabbage	Broccoli	90			PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Brussel sprouts	85				
	Cauliflower	90				
	Chinese cabbage	95				
	Kohlrabi	90			PSA-Kit-05 PSA-Kit-06	PSA-Kit-05A PSA-Kit-06A
	Cabbage	90				
	Red cabbage	90				
	Savoy cabbage	90				
	White cabbage	90				
Leaf vegetables & herbs	Green lettuce varieties	95			PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Endive	95				
	Cress	90			PSA-Kit-05 PSA-Kit-06 PSA-Kit-07 PSA-Kit-08	PSA-Kit-05A PSA-Kit-06A
	Lamb's lettuce	85				
	Parsley	80				
	Rocket	85				
	Spinach	90				

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Vegetables (continued)					EN	AOAC
Stem vegetables	Asparagus	95			PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Celery	95				
	Leek	85				
	Artichoke	95			PSA-Kit-05 PSA-Kit-06	PSA-Kit-05A PSA-Kit-06A
	Rhubarb	85				
Legumes	Peas, beans, lentils (dried)	< 10		10	PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Peas, beans, lentils (fresh)	75	2.5		PSA-Kit-05 PSA-Kit-06	PSA-Kit-05A PSA-Kit-06A
Other foodstuffs					EN	AOAC
Cereals	Wheat, corn, rice (flour, grains)	< 10		10	PSA-Kit-03 PSA-Kit-04	PSA-Kit-03A PSA-Kit-04A
Other foodstuffs	Coffee beans [3]	< 10		10	PSA-Kit-05 PSA-Kit-06 PSA-Kit-07 PSA-Kit-08	PSA-Kit-05A PSA-Kit-06A PSA-Kit-07A PSA-Kit-08A
	Tea [3]	< 10		10		
	Herbs, spices (dried) [4]	< 10		10		
	Mushrooms	90			PSA-Kit-01 PSA-Kit-02	PSA-Kit-01A PSA-Kit-02A
	Wine	90				
Oil, other food- stuffs	Olive oil, rapeseed oil	< 10			PSA-Kit-03 PSA-Kit-04	PSA-Kit-03A PSA-Kit-04A PSA-Kit-07A PSA-Kit-08A
	Citrus oil	< 10				
	Olives	< 10				
	Avocado	75				
	Cocoa solids	75		10		
	Baby food	50 – 90				
Foodstuffs of animal origin	Meat, fish, seafood	50 – 75			PSA-Kit-03 PSA-Kit-04	PSA-Kit-03A PSA-Kit-04A
	Dairy products	40 – 90			PSA-Kit-03 PSA-Kit-04	PSA-Kit-03A PSA-Kit-04A PSA-Kit-07A PSA-Kit-08A

- [1] Addition of 600 µL 5 mol/L NaOH solution to the buffer salts
 [2] Addition of 200 µL 5 mol/L NaOH solution to the buffer salts
 [3] only use 2 g of sample material for fermented products
 [4] only use 2 g of sample material for products full of extracts