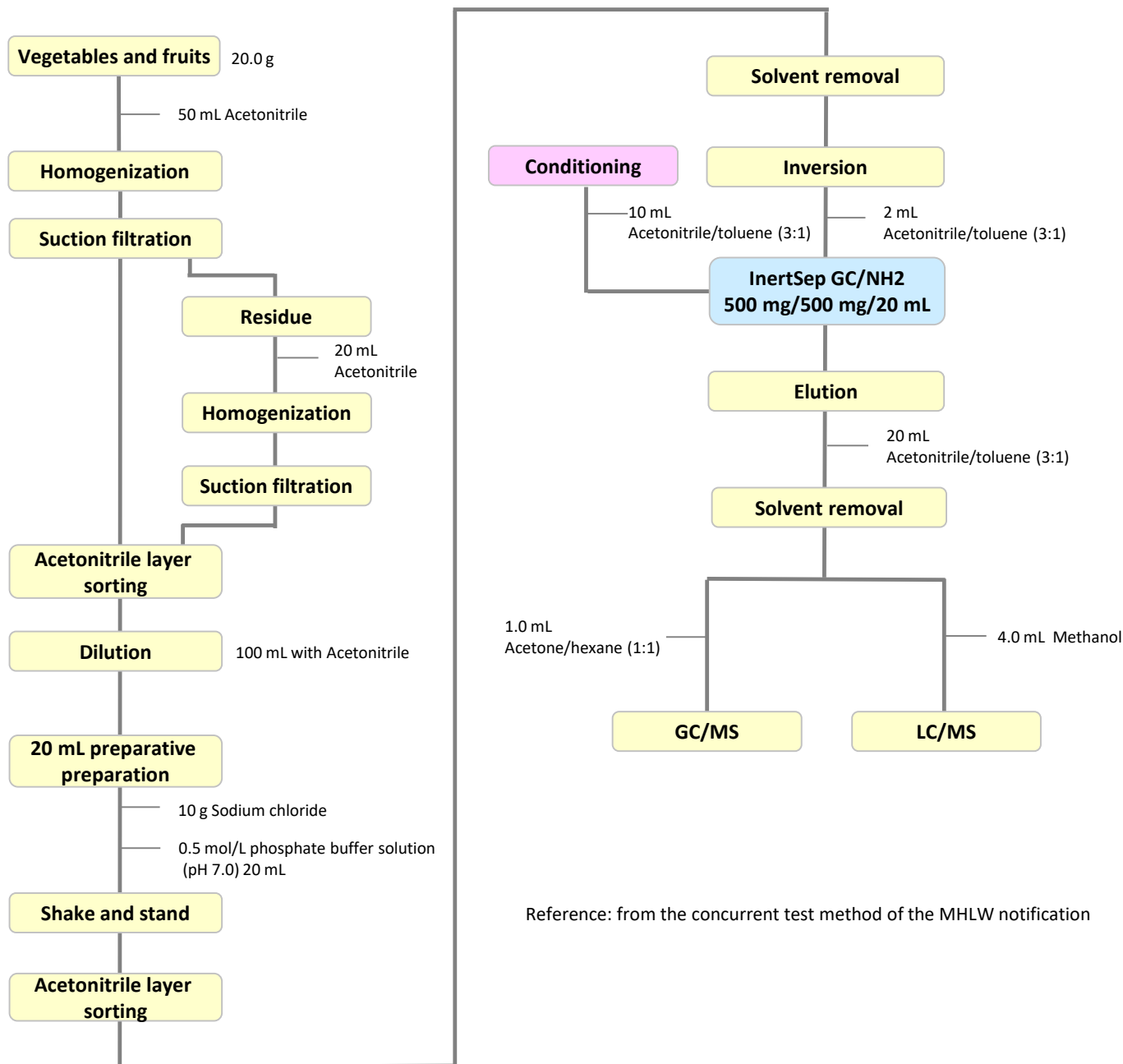


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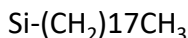
The Food Sanitation Law was amended in May 2003, and pesticides, etc. were regulated under the positive list system from May 2006. This test method introduces the pretreatment of crops for residual pesticide analysis by GC/MS and LC/MS, which were included in the notification of the positive list system.

## 1. Flow diagram of solid phase pretreatment



## 2. Solid-phase extraction-related products

### [InertSep C18]



Mean particle size : 60  $\mu\text{m}$   
 Carbon : 19 %  
 End-capping : Highly End-capping  
 Surface Area : 450  $\text{m}^2/\text{g}$   
 Pore volume : 0.7  $\text{mL}/\text{g}$   
 Pore size : 60  $\text{\AA}$   
 PH range of use : 2 - 8

InertSep C18 is a solid phase with non-polar interaction in which octadecyl groups are chemically bonded to silica gel. Residual silanol groups prevents cation exchange interactions, resulting in reduced adsorption of basic compounds. It is suitable as a clean-up solid phase for removing lipids in the concurrent test method for residual pesticides.

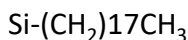
#### Syringe barrel type cartridge

Product name	Column size	Qty.	Cat.No.
InertSep C18	1 g / 6 mL	30 bottles	5010-61005
	1 g / 12 mL	20 bottles	5010-61015
	1 g / 20 mL	20 bottles	5010-61014

### [InertSep C18/DRY]

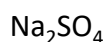
InertSep C18 DRY is a clean-up cartridge with two layers: delipidating C18 and dehydrating DRY. It is used for pretreatment of residual agricultural chemicals prior to analysis.

#### InertSep C18



Mean particle size : 60  $\mu\text{m}$   
 Carbon : 19 %  
 End-capping : Highly End-capping  
 Surface Area : 450  $\text{m}^2/\text{g}$   
 Pore volume : 0.7  $\text{mL}/\text{g}$   
 Pore size : 60  $\text{\AA}$   
 PH range of use : 2 - 8

#### InertSep DRY



#### Syringe barrel type cartridge

Product name	Column size	Qty.	Cat.No.
InertSep C18/DRY <span style="color: red; font-size: small;">Recommended for this application</span>	1 g / 3 g / 12 mL	20 bottles	5010-68133

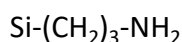
### [InertSep GC/NH2]

This is a two layer clean-up solid-phase with decolorizing GC and NH2 and PSA providing purification that is not achievable using the GC phase alone

#### InertSep GC

Maternal : Graphite Carbon  
 Mean particle size : 120 - 400 mesh  
 Surface Area : 85  $\text{m}^2/\text{g}$   
 Pore capacity : 1.0  $\text{mL}/\text{g}$   
 Pore size : 450  $\text{\AA}$

#### InertSep NH2



Mean particle size : 60  $\mu\text{m}$   
 Carbon : 10 %  
 Surface Area : 450  $\text{m}^2/\text{g}$   
 Pore volume : 0.7  $\text{mL}/\text{g}$   
 Pore size : 60  $\text{\AA}$   
 Ion exchange capacity : 0.9  $\text{meq}/\text{g}$   
 PH range of use : 2 - 8

#### Syringe barrel type cartridge

Product name	Column size	Qty.	Cat.No.
InertSep C18	500 mg / 500 mg / 6 mL	30 bottles	5010-68022
	500 mg / 500 mg / 20 mL	20 bottles	5010-68024
	1 g / 1 g / 20 mL	20 bottles	5010-68025

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