



High purity reagents  
for pesticide  
residues analysis

For the food and  
environmental industry





## High purity solvents for pesticide residues analysis

For the food and environmental industry



This range of high purity solvents has been specifically designed for the analysis of pesticide residues in the food industry and in the environmental control, for example in drinking water. Our solvents are carefully controlled by Gas Chromatography. The analysis is made over a sample 500 fold concentrated. Then the sample is injected in the Gas Chromatograph using the ECD and the FID detectors.

- Using an ECD detector in the interval from Lindane to DDT, there are no peaks greater than 5 ng/l of Lindane.
- Using a FID detector in the interval from 2-Octanol to Tetradecanol.

These solvents are carefully packed and the liquid only gets in contact with glass and teflon. The pesticide analysis program includes Sodium Sulfate anhydrous with the same guarantee level of pesticide impurities.

## QuEChERS

The QuEChERS method for pesticides analysis in fruit and vegetables has become increasingly used over the past few years. It is a fast and simple alternative to traditional liquid-liquid and solid-phase extractions. We offer ready-to-use tubes containing pre-weighed amounts of salts and absorbents according to standards (EN, AOAC).



You can find detailed specifications of these products in [www.itwreagents.com](http://www.itwreagents.com)

## Solvents and reagents for pesticide analysis

Code	Description	Package						
		1 kg	1 L	2.5 L	4 L	10 L	25 L	30 L
321007	Acetone		☞	☞	☞			
321881	Acetonitrile, ACS			☞				
321252	Chloroform stabilized with ethanol			☞				
321250	Cyclohexane		☞	☞	☞	☐		
321254	Dichloromethane stabilized with ~ 20 ppm of amylene		☞	☞	☞	☐		
322551	Diethyl Ether stabilized with ethanol		☞					
321318	Ethyl Acetate		☞	☞		☐		
322062	n-Heptane		☞					
323242	n-Hexane 95%		☞	☞	☞	☐	☐	☐
321347	Hexane, alkanes mixture		☞	☞			☐	
322064	Isooctane		☞	☞	☞			
321091	Methanol		☞	☞				
326165	Mixture Cyclohexane/Ethyl Acetate 1:1 v/v			☞	☞	☐	☐	☐
322006	n-Pentane		☞	☞				
321315	Petroleum Ether 40-60°C		☞	☞		☐		
322701	Petroleum Ether 60-80°C			☞				
321090	2-Propanol		☞					
325708	Sodium Sulfate anhydrous, granulated	☞						
325709	Sodium Sulfate anhydrous, powder	☞						
321745	Toluene		☞	☞				

Package symbols: ☞ Glass bottle ☐ Stainless steel drum ☐ Aluminium bottle

## Sample preparation by QuEChERS method

Tubes for extraction phase		
Description	Code	Presentation
QuEChERS extraction EN15662 Method	176967.23160	50 tubes of 50 ml
Composition per tube: 4 g Magnesium Sulfate anhydrous 1 g Sodium Chloride 0.5 g di-Sodium Hydrogen Citrate 1½-hydrate 1 g tri-Sodium Citrate 2-hydrate	176967.12160	50 tubes of 15 ml
	176967.12111	1 kg *
Tubes for dispersion phase		
Description	Code	Presentation
QuEChERS dispersive EN15662 Method	176969.23162	50 tubes of 15 ml
Composition per tube: 0.150 g PSA (Primary Secondary Amine) 0.900 g Magnesium Sulfate anhydrous	176969.1209	250 g *
Auxiliary Reagents		
Description	Code	Presentation
Sodium Acetate anhydrous (Reag. Ph. Eur.) for analysis, ACS	131633.1210	500 g
	131633.1211	1000 g
Sodium Chloride for analysis, ACS, ISO	131659.1210	500 g
	131659.1211	1000 g
tri-Sodium Citrate 2-hydrate for analysis, ACS	131655.1210	500 g
	131655.1211	1000 g



\* mixture with the same ratio of components as in tubes

Because of the continuous updating of our catalog of products and presentations, kindly confirm product availability, through our website.



A187,EN;201702

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**AppliChem**  
ITW Reagents

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