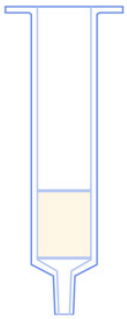
CHROMABOND Diamino

CHROMABOND® Diamino
QuEChERS method and pre-mixes
Within a few years after its devleopment by Anastassiades et al. the QuEChERS method has gained a leading position for determination of pesticide residues in food by GC-MS or LC-MS allowing rapid and cheap clean-up of strong matrix-contaminated samples.
Standard clean-up of food samples
10 g sample are homogenised with 10 ml acetonitrile. After adding the internal standard the sample is shaken with 4 g MgSO4 and 1 g NaCI and afterwards centrifuged. 1 ml of the supernantant is spiked with 25 mg CHROMABOND® Diamino and 150 mg MgSO4 and shaken again. After centrifugation the supernatant is injected into the GC/MS.
Special silica phase for determination of pesticides in food samples



Base material silica, pore size 60Å, particle size 45µm, specific surface 500m²/g, pH stability 2 to 8. Primary and Secondary Amine functions (PSA), 5% C removes polar compounds (e. g. organic acids, pigments, sugars) from matrices like fruit or vegetables
similar phases: Supelclean PSA, Bond Elut PSA.

Recommended application: special SPE phase for quick and cheap determination of pesticides in strongly matrix-contaminated samples by GC. QuEChERS method = Quick Easy Cheap Effective Rugged Safe.
QuEChERS clean-up mixes containing 0.15 g CHROMABOND® Diamino each.

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