Key Benefits

- **Reduced interference.** For analyzing organic extracts of solid samples such as fruits, vegetables, grains and other foods, Bond Elut Carbon provides the best removal of pigments like chlorophyll. The laminar structure presents a highly polarizable surface to your sample. The result — fewer chromatographic or mass interferences.

- **Excellent recovery.** Bond Elut Carbon offers excellent retention for small organics, including ones that are too polar to retain on C18 or polymeric SPE. The non-porous structure permits easy elution, too, so your recoveries will be higher and your detection limits will be better.

- **Improved multi-residue analysis.** Get broader retention and easier elution for analytes right across the polarity scale, from highly non-polar to highly polar. And the two-layer Carbon/NH2 Bond Elut is compliant with the Japanese Positive List System for the analysis of pesticide residues in food.

- **Assured quality.** Bond Elut Carbon and Bond Elut Carbon/NH2 are manufactured by Varian under a strict ISO 9001 quality assurance program. All Bond Elut products are subjected to rigorous quality control tests to ensure reproducibility of bed mass, particle size, surface area, purity and flow rate. In addition, every batch of Bond Elut Carbon is tested for ability to decolorize chlorophyll-containing extracts.
Method for the simultaneous monitoring of pesticide residues in agricultural products.

Extraction, refining (clean-up) and quantitative analysis

For vegetables and foods

Sample size 10.0 g

Extraction

Bond Elut C18 (1 g)

Remove water with Na₂SO₄

Filter, Concentrate

Bond Elut Carbon/NH₂ 6 mL (500 mg/500 mg)

Concentrate

GC/MS(/MS) analysis CP8944 (VF-5ms)

For grains, cereals and beans

Sample size 20.0 g

Extraction

Bond Elut C18 (1 g)

1. Condition with 10 ml acetonitrile
2. Apply 20 ml extract
3. Extract with 2 ml acetonitrile

1. Condition with 10 ml toluene:acetonitrile (1:3)
2. Apply 2 ml extract
3. Extract with 10 ml toluene:acetonitrile (1:3)

Ordering Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Sorbent Mass</th>
<th>Volume</th>
<th>Part Number</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Bond Elut Carbon</td>
<td>250 mg</td>
<td>6 ml</td>
<td>12102201</td>
<td>30/box</td>
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<tr>
<td></td>
<td>500 mg</td>
<td>6 ml</td>
<td>12252201</td>
<td>30/box</td>
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<tr>
<td>Bond Elut Carbon/NH₂</td>
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<td>6 ml</td>
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<td>Bond Elut Sodium Sulfate Jr. (3 g)</td>
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<td>Water Removal Column</td>
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<td>VF-5ms (0.25 mm ID, 30 m, 0.25 μm)</td>
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<td>-</td>
<td>CP8944</td>
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<tr>
<td>GC/MS(/MS) Column</td>
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