



Clean-Up of Organochlorine Pesticides and PCB Extracts Using FLORISIL[®]

UCT Part Numbers:

EUFLSA1M6 (1000 mg small particle Grade A Florisil[®] for slower gravity flow)

EUFLS1M6 (1000 mg regular particle PR Grade Florisil[®] for more viscous samples)

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This Florisil[®] is a magnesium silicate with basic properties. It is used to remove polar interferences from organochlorine pesticide and PCB extracts in hexane prior to chromatographic analysis. Other analytes may potentially be cleaned up using this method provided that adequate performance is demonstrated.

Procedure

1. Pre-rinse a column with 9 mL of 90:10 hexane/acetone by gravity flow
(A low vacuum may be required to start flow)
2. Discard solvent
3. Add a collection tube under the column
4. Add a 2 mL aliquot of the sample extract (in hexane) to the column
5. Collect extract by gravity
6. Add 9 mL of 90:10 hexane/acetone to the column
7. Continue to collect by gravity
8. Gently evaporate the extract to a volume of 1 mL
9. Bring to a final volume of 2 mL with hexane

Florisil[®] is a registered trademark of U.S. Silica Co.