

Florisil® – Selective Adsorbents

FLORISIL® is a highly selective adsorbent which has found extensive use in preparative and analytical chromatography. This adsorbent is unique because it is an extremely white, hard powdered magnesium-silica gel, frequently referred to as a **magnesium silicate**.

Principal applications:

- General column chromatography
- Clean-up of pesticide residues

- Isolation of steroids, sex hormones and related compounds
- Separation of chlorinated pesticides
- Isolations of antibiotics
- Separation of lipids
- Isolation of alkaloids
- Purification of pharmaceuticals
- Separation of aromatic compounds from aliphatic-aromatic mixtures
- Decolorisation of oils, fats and waxes by percolation or contact treatment



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Typical chemical composition

SiO₂ (Silicon dioxide) 84.0%
MgO (Magnesium oxide) 15.5%
Na₂SO₄ (Sodium sulfate) 0.5%



LGC Standards offers the following FLORISIL® grades under the Promochem range

Standard activation grade, activated at 650°C	Part number	Unit size
Florisil® (Standard), 60 - 100 mesh (150 - 250 µm)	SC-4181-B005	€ 120 / 500g
Florisil® (Standard), 60 - 100 mesh (150 - 250 µm)	SC-4181-S010	€ 830 / 10kg
Florisil® (Standard), 60 - 100 mesh (150 - 250 µm)	SC-4181-S020	€ 1530 / 20kg

Pesticide residue analysis grade, activated at 675°C	Part number	Unit size
Florisil® PR for residue analysis, 60 - 100 mesh (150 - 250 µm)	SC-4182-B005	€ 155 / 500g
Florisil® PR for residue analysis, 60 - 100 mesh (150 - 250 µm)	SC-4182-S010	€ 965 / 10kg
Florisil® PR for residue analysis, 60 - 100 mesh (150 - 250 µm)	SC-4182-S020	€ 1820 / 20kg
Florisil® (Standard), 60-100 mesh (suitable for ISO 9377-2/H53)	SC-9700-B005	€ 137 / 500gr
Florisil® 100-200 mesh	SC-4183-B005	€ 120 / 500g
Florisil® 100-200 mesh	SC-4183-S010	€ 830 / 10kg
Florisil® 100-200 mesh	SC-4183-S020	€ 1530 / 20kg

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