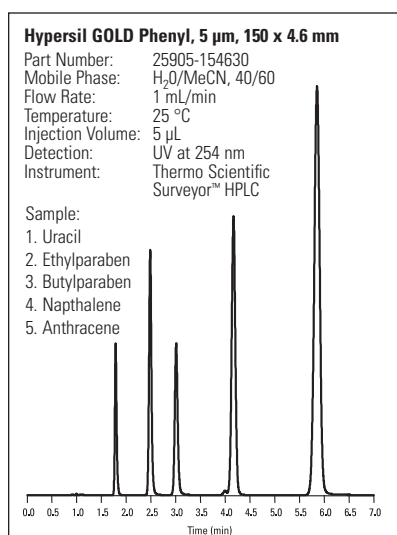
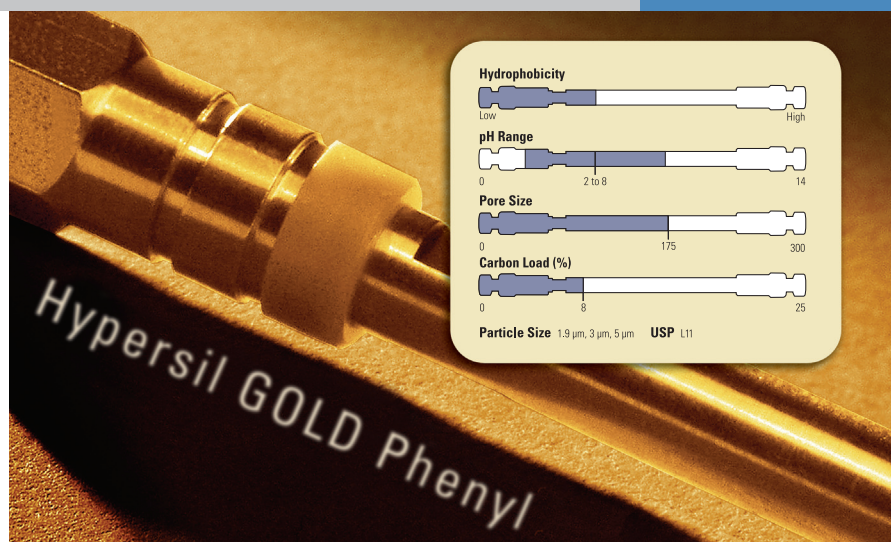


Hypersil GOLD Phenyl Columns

Excellent retention and unique selectivity for aromatic analytes

- Alternative selectivity for aromatic and moderately polar analytes
- Enhanced pi-pi interactions with aromatics
- Moderate hydrophobicity
- Outstanding peak shape and sensitivity



Thermo Scientific Hypersil GOLD™ Phenyl reversed phase HPLC columns exhibit alternative selectivity to alkyl chain columns, particularly for aromatic and moderately polar analytes.

The Hypersil GOLD Phenyl bonded phase contains a butyl linker which allows for superior alignment of the phenyl ring with aromatic molecules, enhancing pi-pi interactions and therefore their retention. The C₄ linker also provides the stationary phase with moderate hydrophobicity, making it ideal for the separation of analyte mixtures with varying polarity and aromaticity.

Outstanding Peak Shape and Sensitivity

Because Hypersil GOLD Phenyl columns are based upon the high purity Hypersil GOLD silica, outstanding peak shape and sensitivity is assured. Likewise you can expect superb reproducibility, column to column, making you confident that your assays will remain stable over time. Hypersil GOLD Phenyl columns are available in three particle sizes: 1.9 μm, 3 μm and 5 μm.

Applications

Hypersil GOLD Phenyl columns are particularly suited to the chromatographic analysis of polycyclic aromatic hydrocarbons such as naphthalene and anthracene and polar aromatics such as alkyl parabens. The ability of this phase to discriminate between similar structures is demonstrated with the separation of the coccidiostat drugs 3,5-dinitrobenzamide (Nitromid) and derivatives (4-amino-3,5-dinitrobenzamide and zoalene, 2-methyl-3,5-dinitrobenzamide). This separation is of importance in the control of residues of coccidiostat residues in the poultry industry.

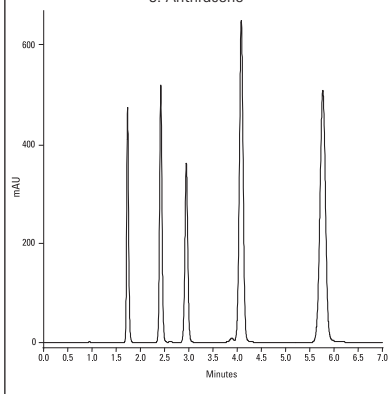
Also Available in 1.9 µm Particle Size

Hypersil GOLD Phenyl columns are also available in 1.9 µm particle size, allowing significant benefits to be achieved in terms of:

- assay cycle time
- resolution
- productivity
- reductions in solvent consumption per sample

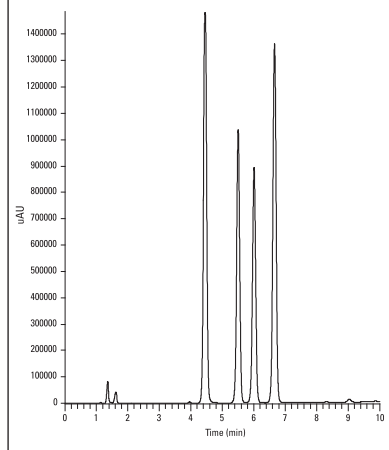
Hypersil GOLD Phenyl, 5 µm, 150 x 4.6 mm

Part Number: 25905-154630
 Mobile Phase: H₂O/MeCN, 40/60
 Flow Rate: 1 mL/min
 Temperature: 25 °C
 Injection Volume: 5 µL
 Detection: UV at 254 nm
 Analyte:
 1. Uracil
 2. Ethylparaben
 3. Butylparaben
 4. Naphthalene
 5. Anthracene



Hypersil GOLD Phenyl, 5 µm, 150 x 4.6 mm

Part Number: 25905-154630
 Mobile phase: A = H₂O B = MeOH
 Gradient: 40 – 70% B in 10 mins
 Flow rate: 1 mL/min
 Temperature: 25 °C
 Injection Volume: 5 µL
 Detection: UV @ 260 nm
 Analyte:
 1. 4-amino-3,5-dinitrobenzamide
 2. Zoalene (3,5-nitro-o-toluamide)
 3. Nitromid (3,5-dinitrobenzamide)
 4. Ethopabate



Ordering Information

Hypersil GOLD Phenyl Columns

Particle Size	Length (mm)	4.6 mm ID	4.0 mm ID	3.0 mm ID	2.1 mm ID	1.0 mm ID
1.9 µm	20	–	–	25902-023030	25902-022130	25902-021030
	30	–	–	25902-033030	25902-032130	25902-031030
	50	–	–	25902-053030	25902-052130	25902-051030
	100	–	–	25902-103030	25902-102130	25902-101030
	150	–	–	–	25902-152130	–
	200	–	–	–	25902-202130	–
3 µm	30	25903-034630	25903-034030	25903-033030	25903-032130	25903-031030
	50	25903-054630	25903-054030	25903-053030	25903-052130	25903-051030
	100	25903-104630	25903-104030	25903-103030	25903-102130	25903-101030
	150	25903-154630	25903-154030	25903-153030	25903-152130	25903-151030
5 µm	30	25905-034630	25905-034030	25905-033030	25905-032130	25905-031030
	50	25905-054630	25905-054030	25905-053030	25905-052130	25905-051030
	100	25905-104630	25905-104030	25905-103030	25905-102130	25905-101030
	150	25905-154630	25905-154030	25905-153030	25905-152130	25905-151030
	250	25905-254630	25905-254030	25905-253030	25905-252130	25905-251030

Other custom column dimensions are available. Please call your local Customer Service for more information.

Hypersil GOLD Phenyl Guard Cartridges

Particle Size	Length (mm)	4.6 mm ID	4.0 mm ID	3.0 mm ID	2.1 mm ID	1.0 mm ID
3 µm	10	25903-014001	25903-014001	25903-013001	25903-012101	25903-011001
5 µm	10	25905-014001	25905-014001	25905-013001	25905-012101	25905-011001
UNIGUARD Direct-Connect Drop-in Guard Cartridge Holder		850-00	850-00	852-00	852-00	851-00

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