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Until 31. July 2015: 35 % discount on all HALO®-5 columns

Most commonly used herbicides may lead to cancer

The International Association for Cancer Research of the WHO declared the worldwide most commonly used herbicide Glyphosate to be "most likely cancerous" and has classed it second in the five categories of cancer risks. Its cancerous potential is said to have been proofed to a sufficient extend in animals and a limited extend in humans.

The herbicide Glyphosate is also actively used in Switzerland. The Federal Food Safety and Veterinary Office FSVO will assess if this herbicide is indeed as cancerous as it is said to be after the complete report is available. One thing is certain, however: herbicides are generally problematic as they are hazardous to the environment and may find their way into the food chain.

With the HALO®-5 Fused-core C18 column, you have the ideal tool to analyse herbicides efficiently. The chromatogram in the attached pdf illustrates for example that, compared to a totally porous C18 column, a higher resolution of the sample's components is achieved while the analysis time is much shorter.

Between now and 31. July 2015 (17:00), profit from especially favourable conditions on your purchase of HALO®-5 columns and receive a 35 % discount on all our HALO®-5 columns. Find detailed information on these columns on our website www.infochroma.ch/eng/aktionen/index.html or in the latest HALO® catalogue. For questions or specific column recommendations contact our column specialist Ms. Yukiko Higai.

To profit from the discount, please **quote discount code HALO515** when placing your order.

In conclusion, our tip of the day: if you want to announce to your surroundings "keep your distance" while you are handling hazardous substances or if you simply want to be left in piece, we recommend you purchase the orange t-shirt „TOXY" from our webshop chemoline.ch. Lose no time, order now.

www. chemoline.ch/ t_shirt_
achtung_orange_toxy.html

best regards
infochroma ag

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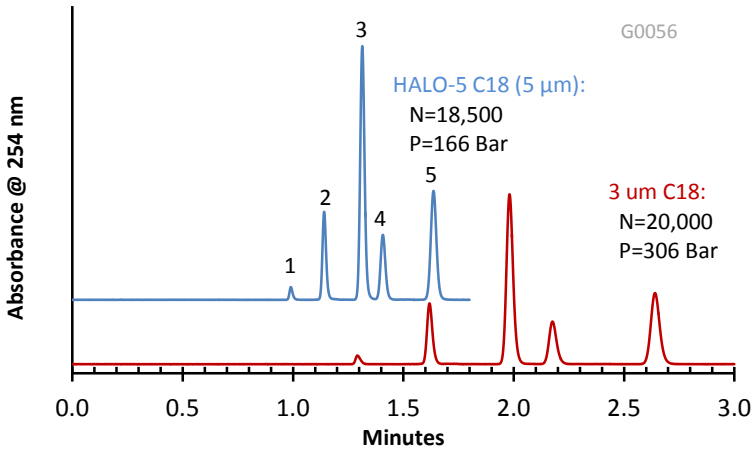
HALO® | Fused-Core® Particle Technology

HPLC Application Note: 073-PS

Comparison of Separations on HALO-5 Fused-Core C18 and a Competitive 3 Micron Totally Porous C18 Phase



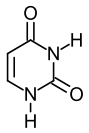
PEAK IDENTITIES:

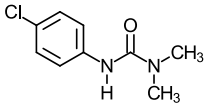
1. Uracil (t_0)
2. Fenuron
3. Monuron
4. Fluometuron
5. Diuron

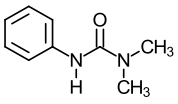
TEST CONDITIONS:

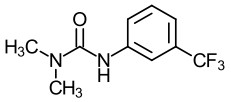
Columns: 4.6 x 150 mm, HALO-5 C18 5 µm (Part Number: 95814-702) and a 4.6 x 150 mm, 3 µm totally porous C18 column
Mobile Phase: 25/75: A/B
A= 0.02 M Potassium phosphate buffer, adj. to pH=3
B= Methanol
Flow Rate: 1.3 mL/min.
Pressure: 166 Bar (HALO-5)
Pressure: 306 Bar (3 µm)
Temperature: 30°C
Detection: UV 254 nm, VWD
Injection Volume: 0.5 µL
Sample Solvent: 50/50: Water/methanol
Response Time: 0.02 sec.
Flow Cell: 2.5 µL semi-micro
LC System: Shimadzu Prominence UFLC XR
ECV: ~14 µL

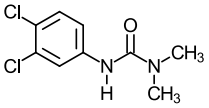
STRUCTURES:


Uracil


Monuron


Fenuron


Fluometuron


Diuron

The chromatograms pictured show similar column efficiencies between the two packings but with much lower back pressure in the case of the HALO-5, allowing users with lower pressure HPLC instruments to get 3 micron particle performance with the lower pressure requirement of a 5 micron particle.