



CLIQUEUS A "Small Shield" for a Big Job

Phases	Silica, C8, C18, Cyano, Phenyl
Particle Sizes	4.5 and 10µm
Pore Size	120Å
Pore Volume	0.8mL/gm
Surface Area	330m ² /gm
Carbon%(w/w)	C18 = 18%
Phase type	Extremely well end-capped monofunctional phases
Silica Class	Type B
USP Class	L3 (CLIQUEUS Silica) L7 (CLIQUEUS C8) L1 (CLIQUEUS C18) L10 (CLIQUEUS Cyano) L11 (CLIQUEUS Phenyl)

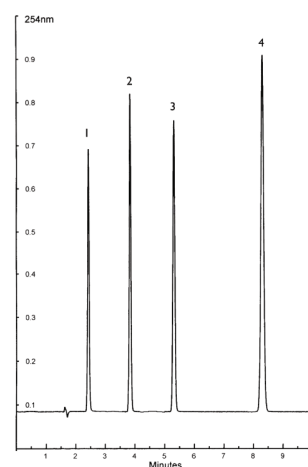
Guide to CLIQUEUS Part Numbers

Cx-xxxx-SIL5	CLIQUEUS Silica 5µm
Cx-xxxx-C085	CLIQUEUS C8 5µm
Cx-xxxx-C185	CLIQUEUS C18 5µm
Cx-xxxx-CNP5	CLIQUEUS Cyano 5µm
Cx-xxxx-PHN5	CLIQUEUS Phenyl 5µm

See Page 23 for complete Part Number information

Applications

The high purity base silica and thoroughly end capped bonded phases insure that CLIQUEUS columns and cartridges will perform well in demanding situations where many other column brands fail. Even polar compounds elute as sharp and symmetrical peaks permitting surprisingly short columns to be used for high speed analysis. In addition to Silica, C8 and C18 phases, CLIQUEUS columns are available with phenyl or cyano functionality.

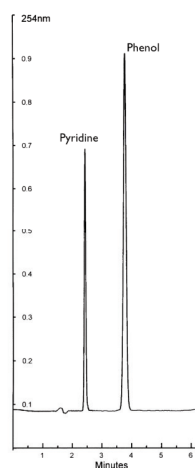


Methylxanthines

CLIQUEUS C18 150x4.6mm
P/N CS-1546-C185
25% MeOH/water (unbuffered)
1mL/min, 30°C, 254nm

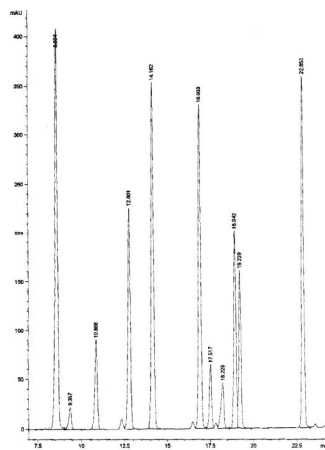
- | | |
|----------------|-----------------|
| 1. Theobromine | 2. Theophylline |
| 3. Caffeine | 4. Phenol |

This unbuffered Pyridine and Phenol chromatogram illustrates the absence of any undesirable solute/silanol interaction on a CLIQUEUS C18 HPLC Column.



CLIQUEUS C18 5µm 150x4.6mm

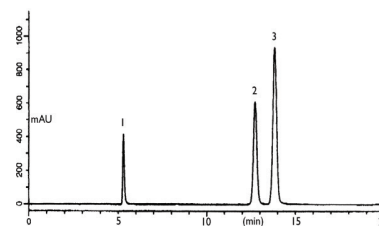
40% MeOH/water (unbuffered)
1mL/min, 25°C, 254nm
P/N CS-1546-C185



Carbamates and Urea Pesticides
EPA 632A

Industrial and Municipal Waste Water
Column P/N CS-2546-C185

- | | |
|-----------------|----------------|
| 1. Monuron | 2. Propoxur |
| 3. Carbaryl | 4. Propham |
| 5. Diuron | 6. Linuron |
| 7. Methiocarb | 8. Mexacarbate |
| 9. Chlorpropham | 11. Neburon |
| 10. Barban | |



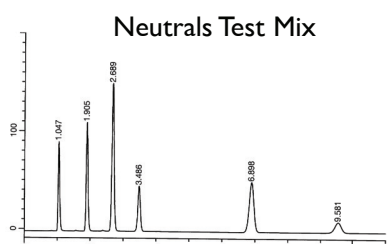
Sunsreen Formulation

CLIQUEUS C18 250x4.6mm
P/N CS-2546-C185
87.5% MeOH/ 12.5% water (unbuffered)
1mL/min, 30°C, 285nm

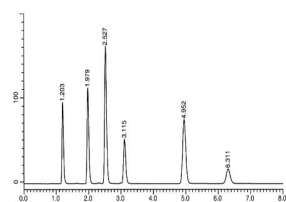
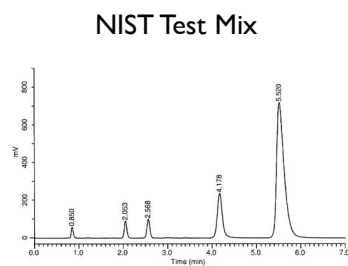
- | | |
|---------------------------|---------------|
| 1. Oxybenzone | 2. Padimate O |
| 3. Octyl Methoxycinnamate | |



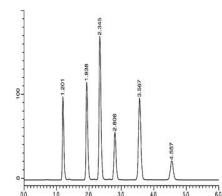
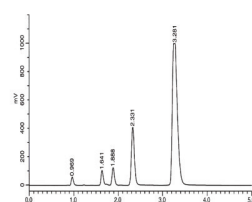
Comparative Selectivity of CLYPEUS HPLC Columns



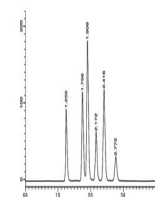
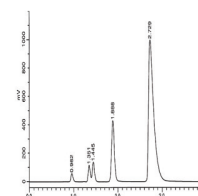
CLYPEUS C18 150x4.6mm P/N CS-1546-C185



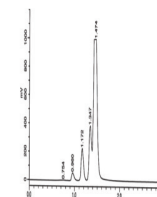
CLYPEUS C8 150x4.6mm P/N CS-1546-C085



CLYPEUS Phenyl 150x4.6mm P/N CS-1546-PHN5



CLYPEUS Cyano 150x4.6mm P/N CS-1546-CNP5



50% MeCN/water, 1.5mL/min, 205nm

1. Thiourea
2. Phenol
3. Acetophenone
4. Nitrobenzene
5. Toluene
6. Napthalene

80% MeOH/Buffer, 1.5mL/min, 254nm
Buffer: 20mM potassium phosphate

1. Uracil
2. Toluene
3. Ethylbenzene
4. Quinizarin
5. Amitriptyline

