

Shimadzu Specialty Consumables Solution



Shimadzu Consumables

Dedicated to delivering One-Stop Solutions for you

Shimadzu(Shanghai) Global Laboratory Consumables Co.,Ltd (Abbreviated as SGLC) is a wholly-owned subsidiary of the Shimadzu Group. Our core business covers genuine spare parts for analytical instruments, chromatography columns and other analytical consumables, certified reference materials and reagents, biological reagents/laboratory consumables for life sciences, and peripheral devices.

SGLC looks forward to joining hands with you. With sincerity at heart, we strive to advance science and technology, safeguard the long-term future of our planet, and contribute to the realization of humanity's finest aspirations.



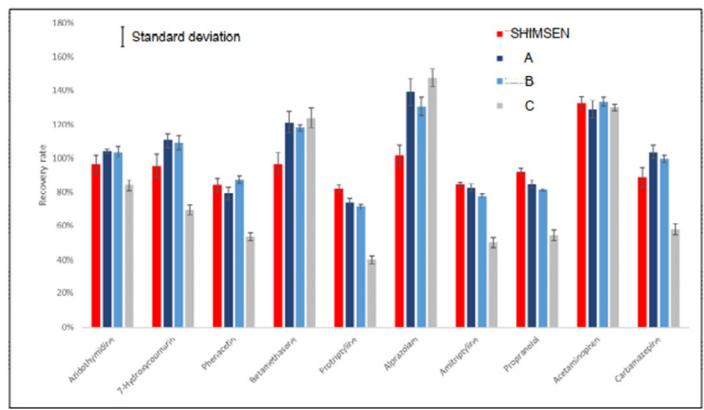
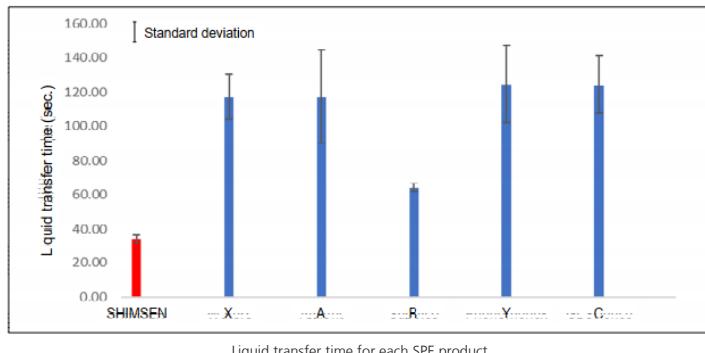
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SHIMSEN Styra SPE Column

Faster Flow Unlocks Greater Recovery

- Using spherical polymer fillers with uniform particle size.
- Large-particle fillers enables smooth sample flow through.
- Large-particle fillers ensure rapid sample passage.



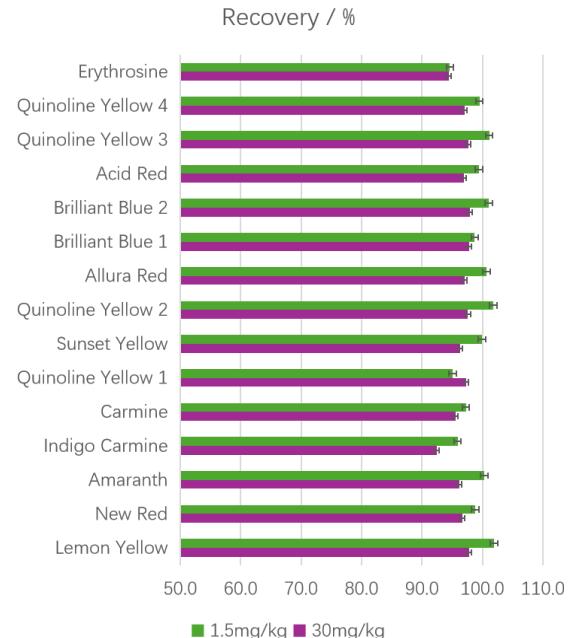
SHIMSEN Styra PGM for food pigments

Rapid column passage, High recovery guaranteed



Product Advantages:

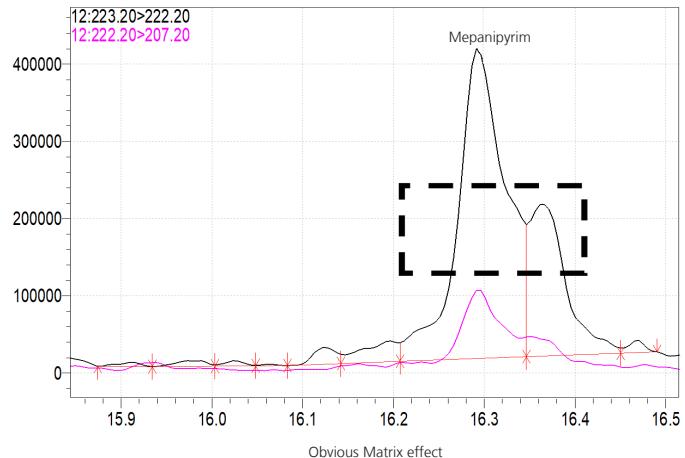
- High piperazine bonding ensures compatibility with diverse matrices such as tea, preserved fruits, soy sauce-marinated foods, and traditional Chinese medicine.
- The large particle size design allows for rapid column flow with droplet-like elution, guaranteeing comprehensive recovery rates.



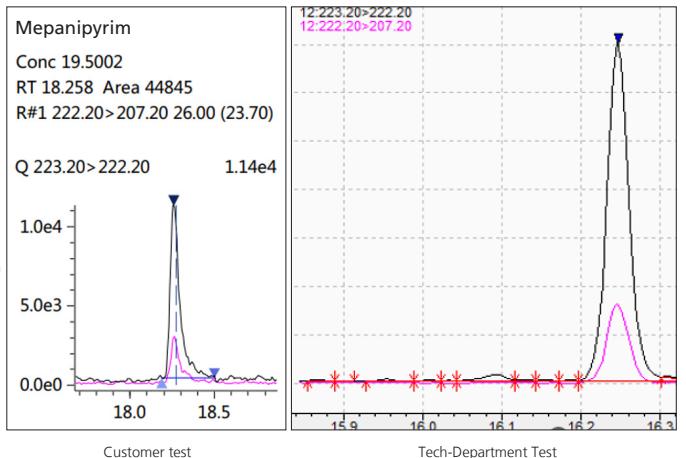
SHIMSEN QuEChERS III

Pure fillers ensure high recovery

- PSA Silica C18 GCB with enhanced key parameters ensure high recovery, low matrix effects, excellent stability
- Pre-cut for easy opening and pouring of the fillers.
- Centrifuge tubes are leak-proof, with low extractables and low adsorption.
- Accurately matches multiple standards, including EN, AOAC, and GB.



After
purification

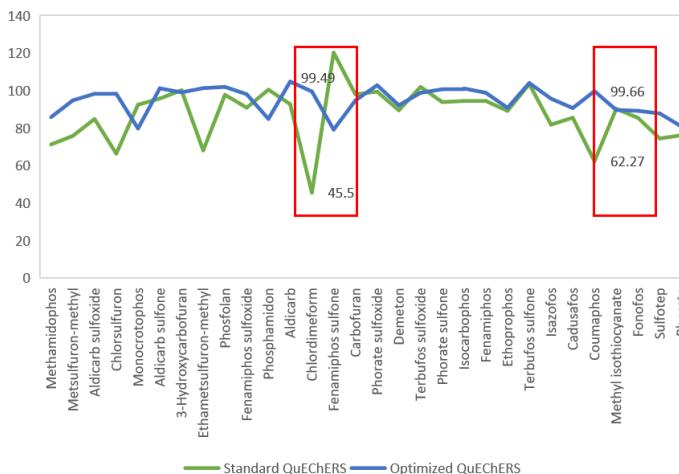


SHIMSEN QuEChERS For Traditional Chinese Medicine Pesticide Residue Kit

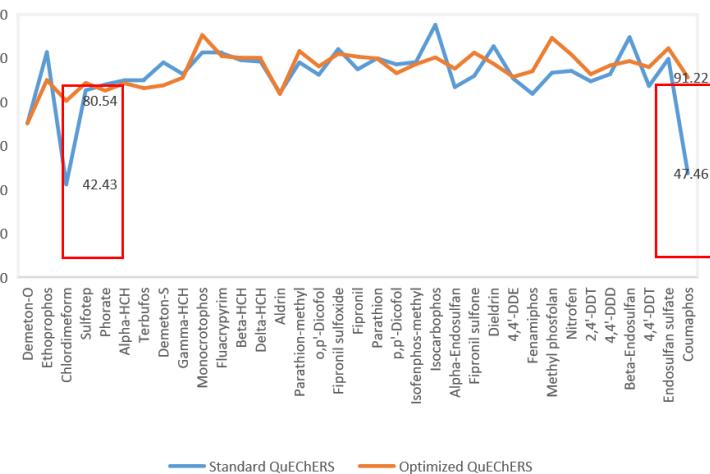
Optimized QuEChERS to perfectly solve difficult compounds

Product Advantages:

- Pure fillers with high bonding capacity, stronger impurity removal.
- Pre-cut for easy opening and pouring of the fillers.
- For carbofuran, dichlorvos, and hexachlorobenzene, the pesticide residue optimization kit improves recovery rates.



LC-MS/MS recovery comparison of Carbofuran and Dichlorvos



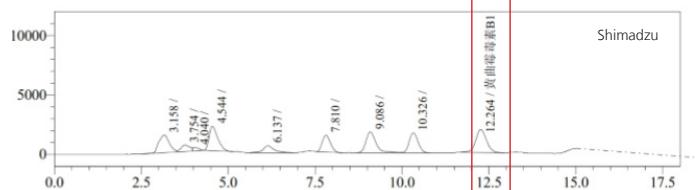
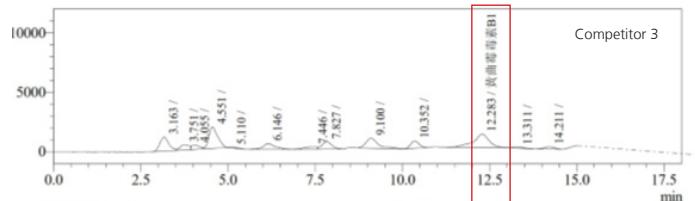
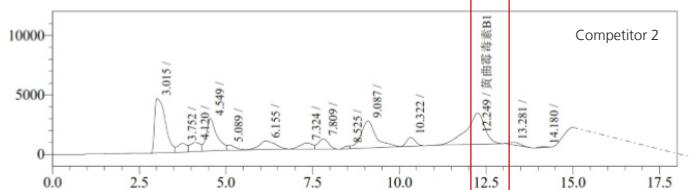
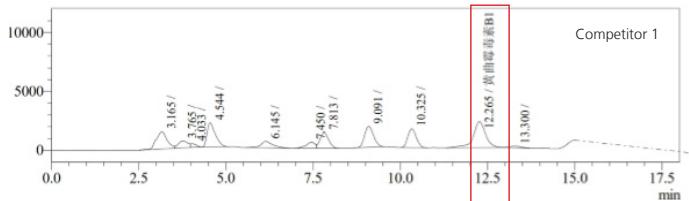
LC-MS/MS recovery comparison of Carbofuran and Dichlorvos

SHIMSEN Immunoaffinity Column

Targeted Enrichment, Efficient Purification

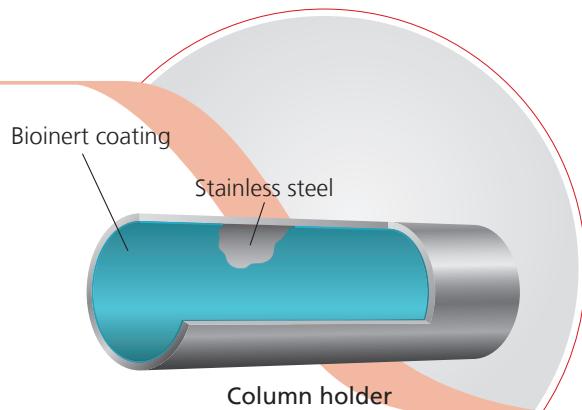
Product Advantages:

- For matrices with high interference like Yuanzhi, our product has high recovery rates and great stability.
- For easily clogging matrices like wheat flour, it ensures quick passage and high recovery rates.

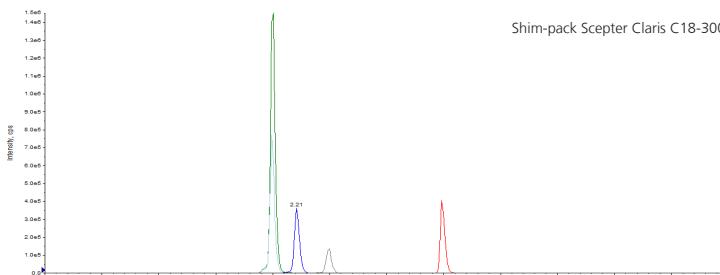


Shim-pack Scepter Claris series column

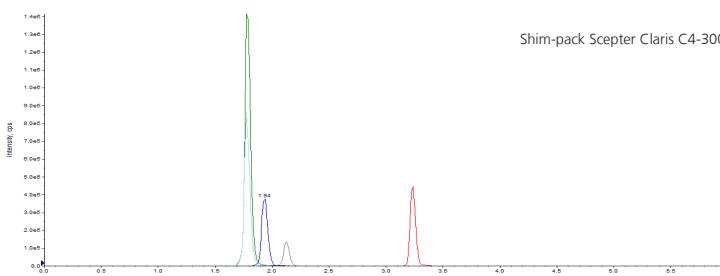
- Bioinert coating is applied to the column body and stainless steel frit.
- Ideal for analysis of metal-coordinating and hydrophobically adsorbing compounds such as nucleic acids, proteins, and lipids.
- Outstanding pH and lifetime stability due to Scepter organic silica hybrid packing.



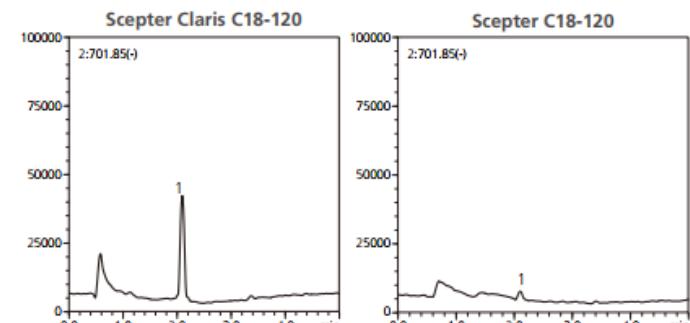
Analysis of oligonucleotides



Shim-pack Scepter Claris C18-300



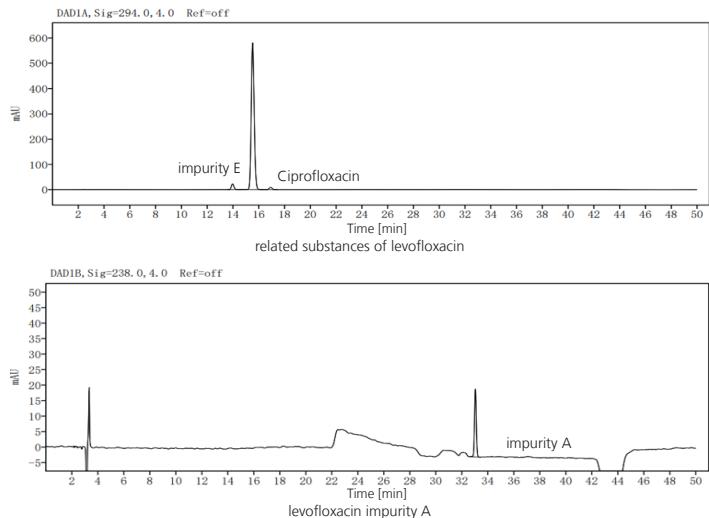
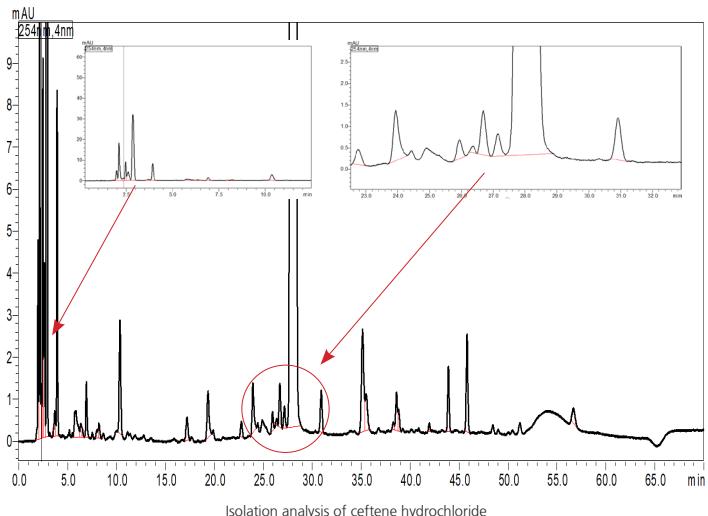
Shim-pack Scepter Claris C4-300



Claris columns improve the analysis sensitivity of nucleic acid samples

ShimNex RX C18

- Special bonding technology makes the columns resistant to a wide range of pH.
- Excellent packing control technology is adopted to achieve a more uniform particle size and high column efficiency.
- The packing parameters are designed with more moderate specific surface area and high carbon loading capacity, which are widely used in the separation and analysis of different types of compounds.
- Adoption of multiple capping technology, which makes the column more inert.

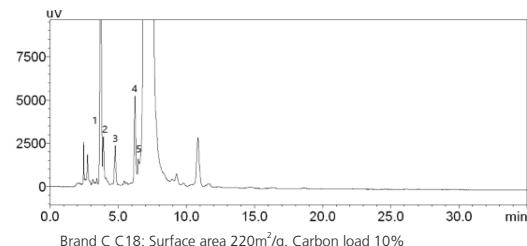
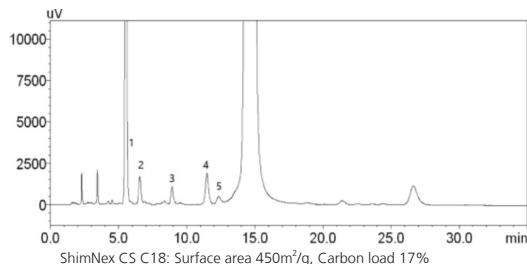


ShimNex CS C18

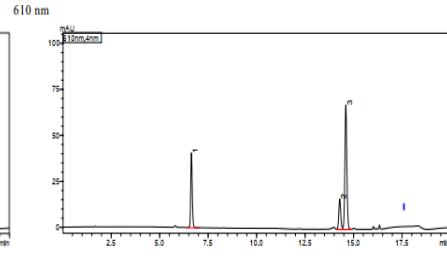
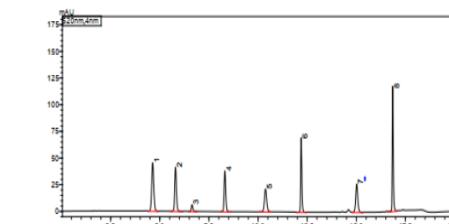
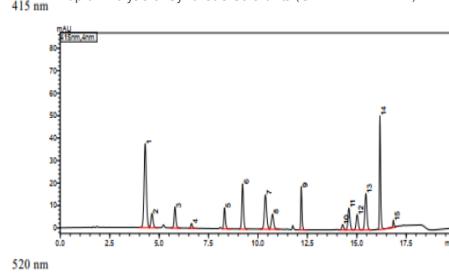
- Because of the multiple end-capping, the adsorption of ionized compounds was lower.
- Optimized surface area design with higher carbon load results in stronger retention, which is better for separation. So, the ShimNex CS C18 column is an ideal choice for method development especially for the complex component analysis.
- To ensure good batch reproducibility of the column. The synthesis of silica, the chemical processing of silica surface and the filling are all tested and controlled by strict quality standards.



Analysis of moxifloxacin



Rapid Analysis of Synthetic Colorants (GB 5009.35-2023)

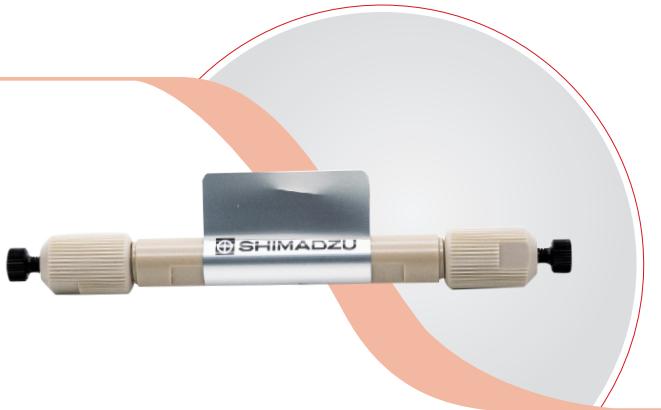


Sample:

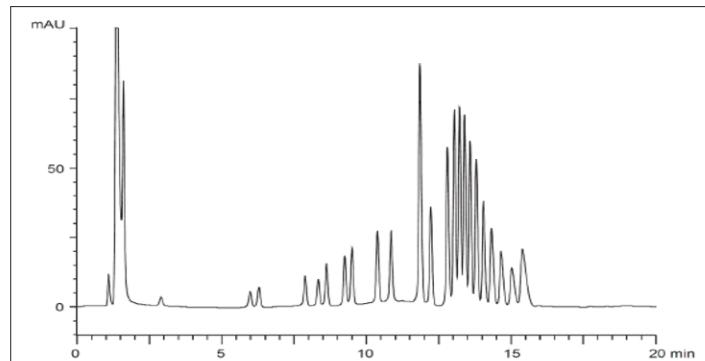
1. Tartrazine	10. Bright blue 1
2. New red	11. Bright blue 2
3. Amaranth red	12. Acid red
4. Indigo	13. Quinoline yellow 3
5. Carmine	14. Quinoline yellow 4
6. Quinoline yellow 1	15. Red moss red
7. Sunset yellow	
8. Quinoline yellow 2	
9. Temptation red	

Shim-pack Bio IEX Q-NP

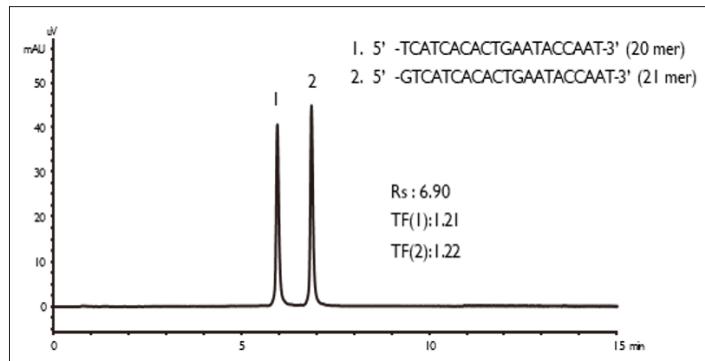
The porous particles offer excellent binding capacity with exceptionally high efficiency and the non-porous particles offer high efficiency and exceptional resolution.



DNA fragments were isolated using Shim-pack BIO IEX Q-NP

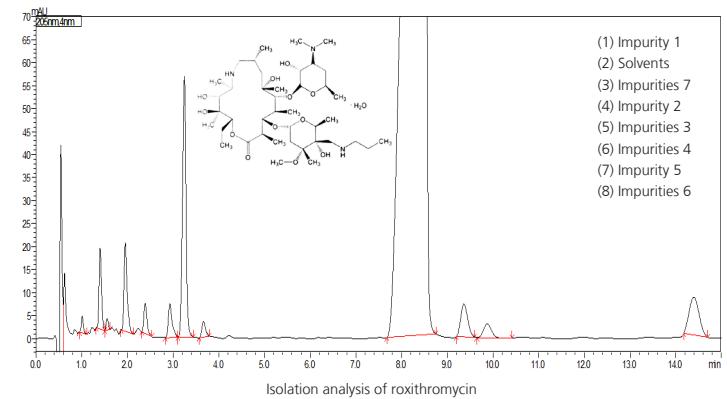
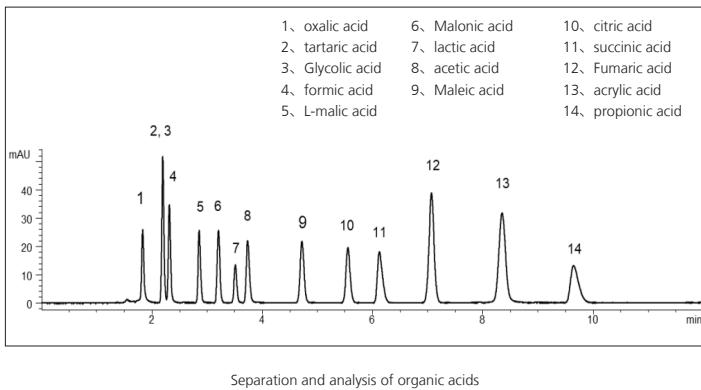


Analysis of oligonucleotides using Shim-pack BIO IEX Q-NP



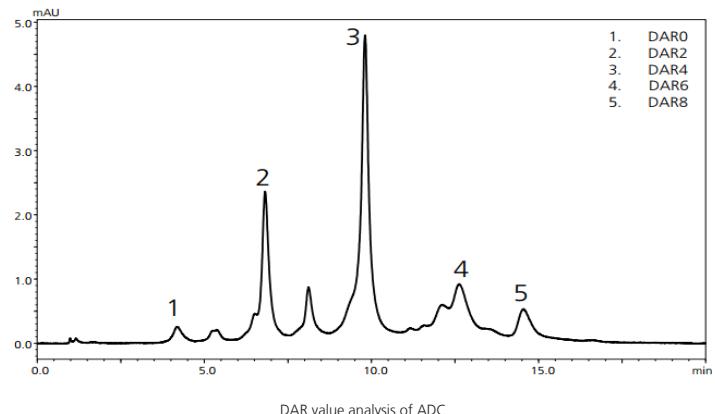
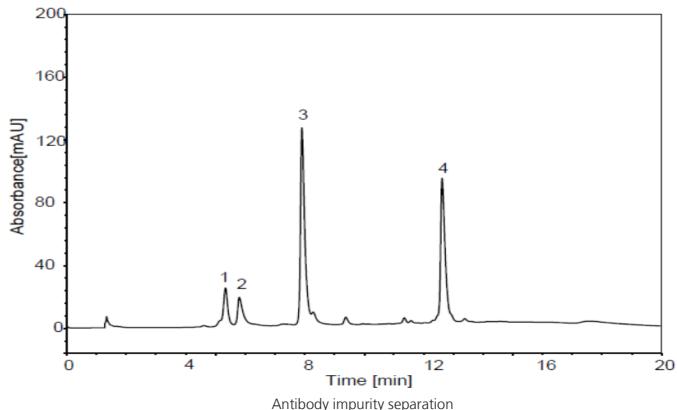
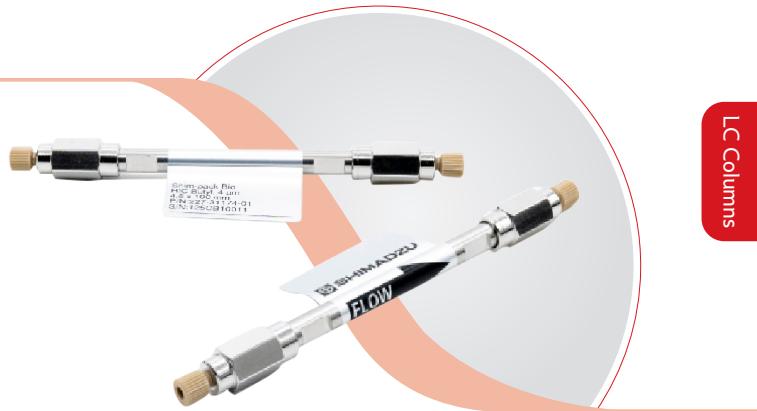
Shim-pack Scepter series column

- Excellent stability and performance could be achieved under a wide range of LC conditions with Shim-pack Scepter LC columns.
- With different chemistry characteristics, Shim-pack Scepter columns are effective for method development / scouting.
- It's easy to make the method transfer between different column dimensions.



Shim-pack Bio HIC

The porous particles offer excellent binding capacity with exceptionally high efficiency and the non-porous particles offer high efficiency and exceptional resolution.

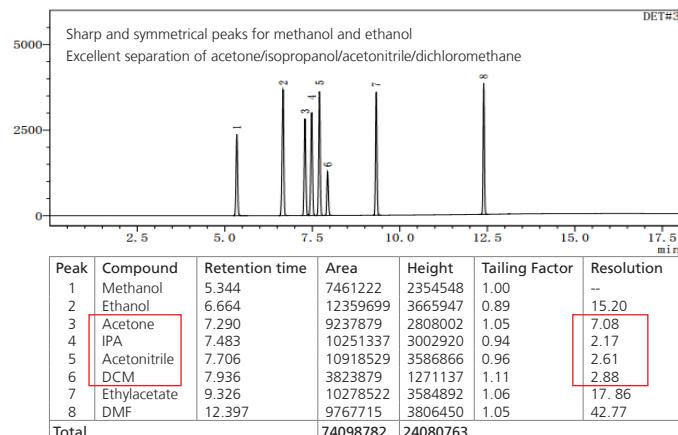
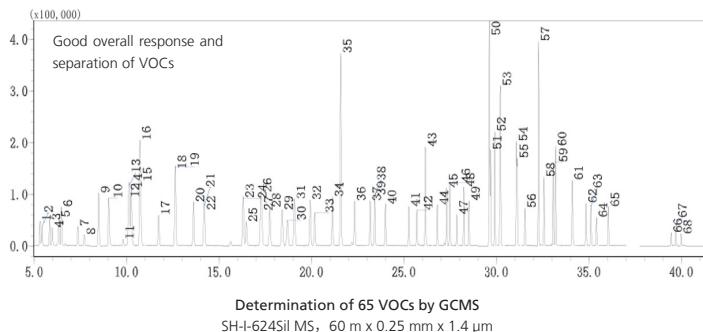


SH-I-624Sil MS

Product Features:

- Upgraded bonding process delivers lower loss on GCMS.
- Enhanced temperature tolerance, withstanding up to 300/320° C.
- Superior inertness for enhanced separation of complex components.
- Perfectly suited for analyzing solvent residues, VOCs, and similar projects.

Typical applications:



GC Analysis of 8 Common Residual Solvents

SH-I-624Sil MS, 30 m x 0.53 mm x 3.0 μ m

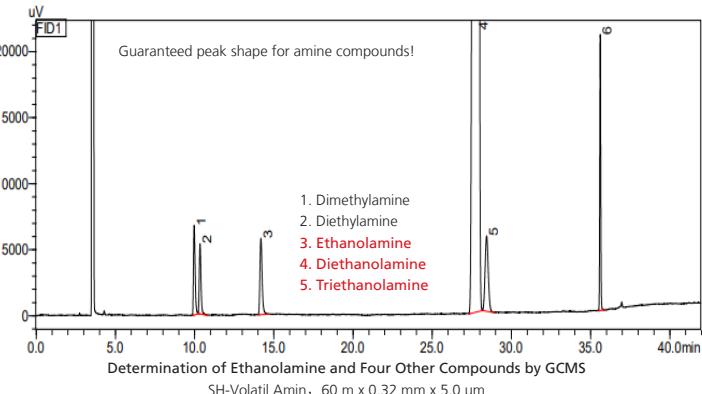
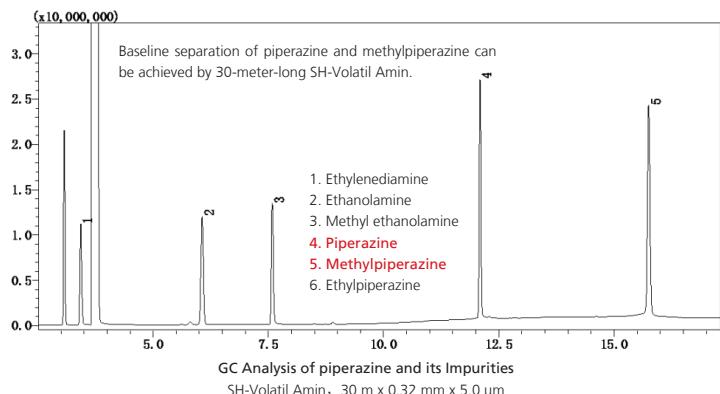
SH-Volatil Amin

Product Features:

- Surface alkali treatment ensures high inertness and low adsorption for amine analysis.
- High film thickness (5 μ m) design further enhances peak shape.
- Ideal for volatile amines and complex amine composition analysis.



Typical applications:

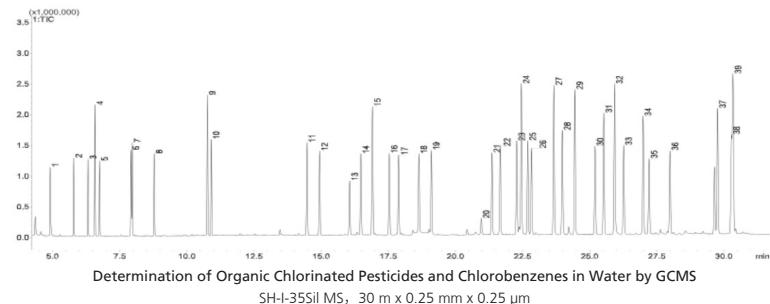


SH-I-35Sil MS

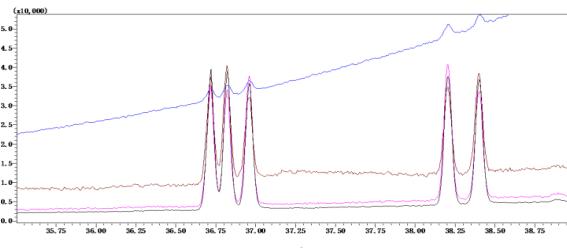
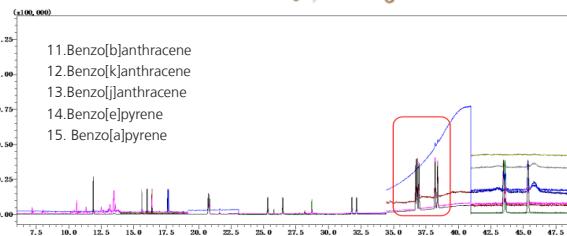
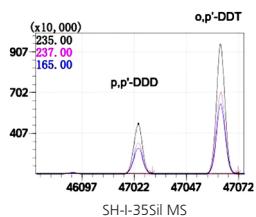
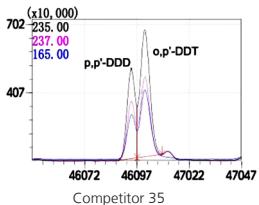
Product Features:

- Enhanced bonding process delivers lower loss on GCMS.
- Mid-polarity offers broader polarity options compared to 5MS type columns.
- Ideal for detecting PAHs/organochlorine pesticides/aromatic amines.

Typical applications:



Comparison of testing results

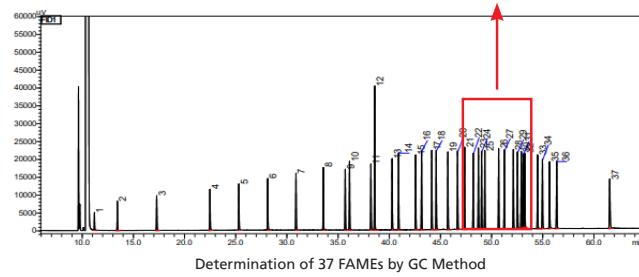
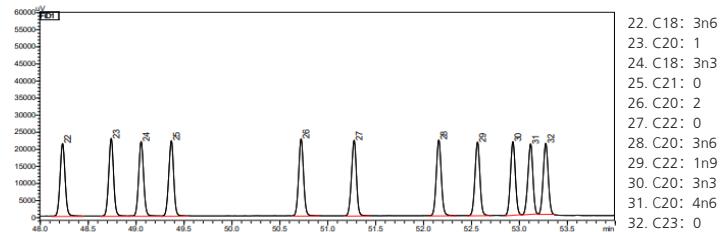
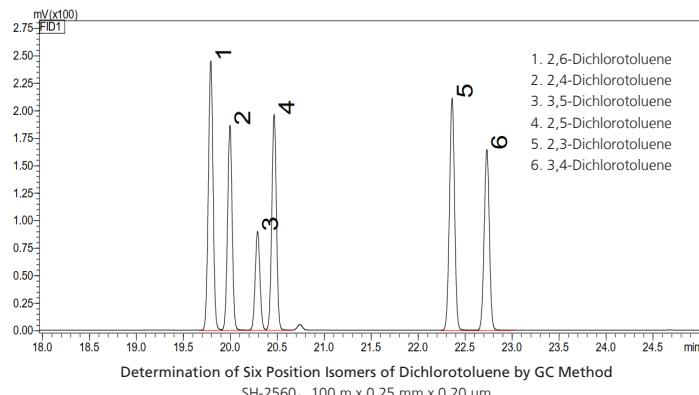


SH-2560

Product Features:

- 100% cyanopropyl stationary phase with high isomer selectivity.
- Ideal for analyzing 37 types of FAMEs.
- Optimized conditions halve FAMEs analysis time.

Typical applications:



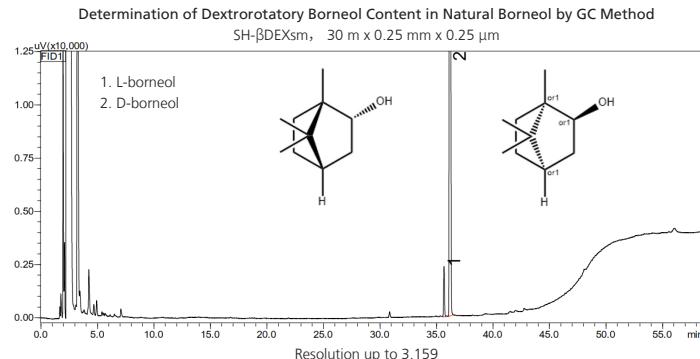
SH- β DEXsm

Product Features:

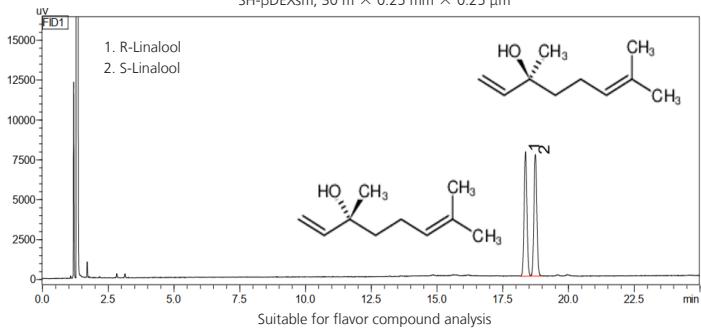
- high versatility: Addition of 2,3-Di-O-methyl-6-O-tert-butyl dimethylsilyl β -cyclodextrin to 1701.
- Effectively addresses the challenge of chiral separation for high-polarity, small-molecule and low-boiling-point compounds, which are difficult to handle in HPLC.
- Comprehensive solutions backed by a robust method development team.



Typical applications:



GC Analysis of the Chiral Enantiomers of Linalool
SH- β DEXsm, 30 m \times 0.25 mm \times 0.25 μ m



SS- series PLOT columns



Product Features:

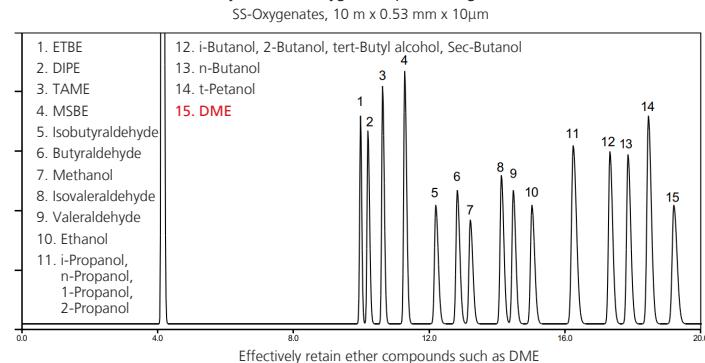
- Covers commonly used petrochemical PLOT columns including Al_2O_3 , PLOT Q, and 5A molecular sieves, lower bleeding and reduced sensitivity to water effects on Alumina.
- Specialized PLOT-Carbon enables simultaneous analysis of CO and CO_2 .
- Specialized PLOT-Silica is suitable for analyzing ozone-depleting substances (ODS) such as chlorofluorocarbons (CFCs).
- Dedicated PLOT columns address specific analytical challenges.

Dedicated PLOT column

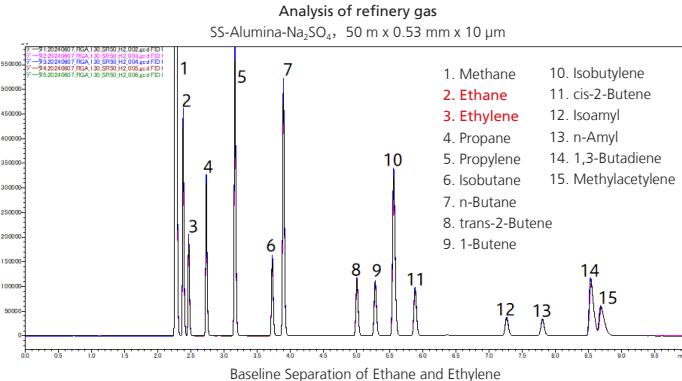
Dedicated PLOT column	Specialized application
SS-Oxygenates	Trace oxygen compounds in gasoline
SS-PLOT-Amine	Analysis of Ammonia and Amine Compounds
SS-PLOT-Sulfur	Sulfide Analysis

Typical applications:

Analysis of trace oxygen compounds in gasoline



Analysis of refinery gas



SHIMSEN Arc Vial

- Carefully selected raw materials with extremely low adsorption.
- Universal version compatible with various brands of instruments, reducing siloxane dissolution



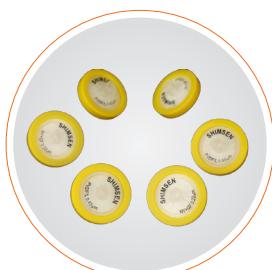
SHIMSEN Filter-Vial

- Integrates syringes, vials and needle filters into one
- Improve efficiency, easy to operate and has extremely low adsorption.



SHIMSEN Disc Double-layer Filter

- Handling complex substrate filtration effectively.
- High throughput and fast speed



SHIMSEN Disc Sterile Filter

- Effectively remove bacteria, with a high sterilization rate.
- High flow rate and high throughput.



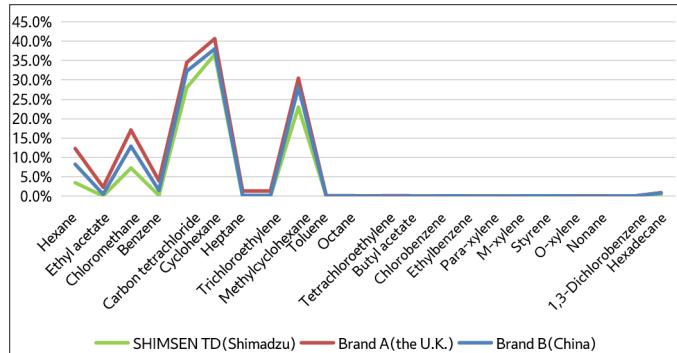
SHIMSEN TD Tubes

Product Features:

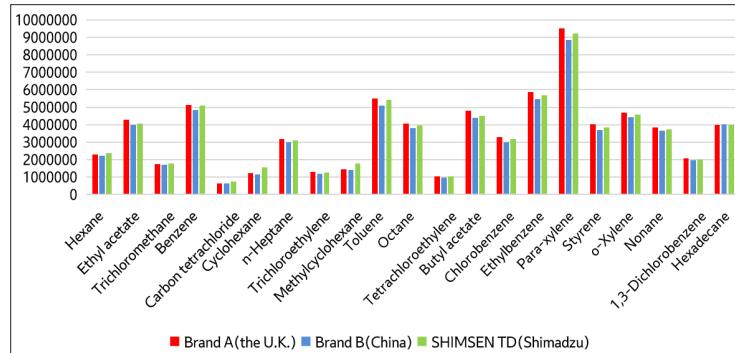
- Lower breakthrough, higher compound response.
- Improved resistance control, more stable results.
- Enhanced inertness processing, lower sample adsorption.
- Abundant selection, more competitive price



Typical applications:



GB/T 18883-2022 Tenax TA breakthrough comparison

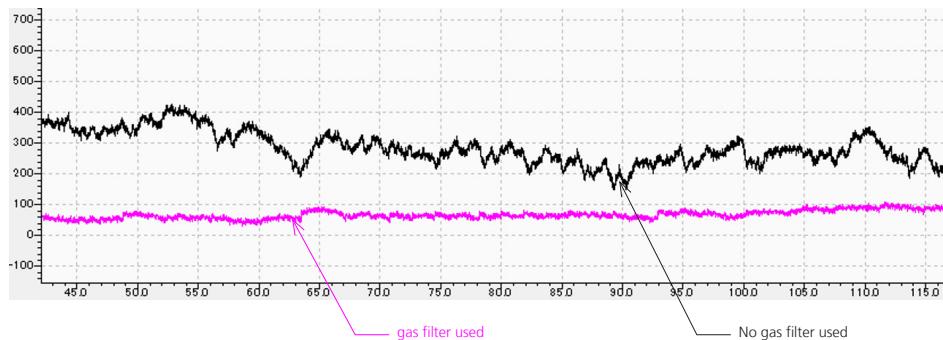


GB/T 18883-2022 Tenax TA compound response comparison

Triple (Oxygen/Moisture/Hydrocarbon) Gas Filter

Product Features:

- Eliminates oxygen to protect high-polarity columns and ECD & MS detectors
- Removes moisture to ensure high column efficiency
- Eliminates hydrocarbon ghost peaks for stable baseline
- Convenient indicator for assessing adsorption failure
- Compatible with carrier gas lines across all GC instrument brands
- Effectively ensures optimal performance of instruments and columns



Triple gas filter removes oxygen, moisture, and hydrocarbons

SHIMSEN GC Consumables

Product Features:

- Support daily maintenance of injection port consumables across GC instruments.
- Covers GC injection port components: syringes, septa, O-rings, liners, and ferrules.
- Meets routine GC project injection port requirements with high cost-effectiveness.



SHIMSEN Lamp

Product Features:

- Perfectly matched with Shimadzu instruments.
- Long-term and stable performance.
- Cost-effective



SHIMSEN GC
Consumables

SHIMSEN
Lamp



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