



29743-U Supelco

Carbosieve® SIII

O.D. × L 1/4 in. × 3 1/2 in., stainless steel TD tube, Sealed with Brass Endcaps, preconditioned, pkg of 10 ea

Synonym: Carbosieve® SIII



FDS

Similar Products

Conditionnement - SKU	Disponibilité	Prix (EUR)	Quantité
29743-U	Expédition estimée le 19.09.18	932.00	0

Commandes Bulk?

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Propriétés

Related Categories	Active Sampling, Air Monitoring, Analytical/Chromatography, Sample Preparation & Purification, TD Tubes Stainless Steel, Preconditioned, Sealed with Brass Endcaps, Plus...
material	stainless steel TD tube
feature	preconditioned
packaging	pkg of 10 ea
O.D. × L	1/4 in. × 3 1/2 in.
matrix	Carbosieve® S-III carbon molecular sieve
Agency/Method	EPA TO-2
compatibility	for use with PerkinElmer, Markes, DANI, OI Analytical, and Shimadzu Instruments

Description

Legal Information
Carbosieve is a registered trademark of Sigma-Aldrich Co. LLC

Informations Sécurité

Aucune information relative à la sécurité de ce produit est actuellement disponible.

Documents

Certificat d'Analyse

46740

Devis/ Commande de produits Bulk

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Customers Also Viewed

 20012-U	 29745-U Carbosieve® SIII	 28274-U Carbosieve® SIII	 28284-U	 29744-U Carbosieve® SIII
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Carbosieve® SIII stainless steel TD tube, O.D. × L 1/4 in. × 3 1/2 in., preconditioned, pkg of 10 ea	Carbotrap® 202 O.D. × L 1/4 in. × 3 1/2 in., stainless steel TD tube, Sealed with Brass Endcaps, preconditioned, pkg of 10 ea	Carbosieve® SIII stainless steel TD tube, O.D. × I.D. × L 6 mm × 4 mm × 7 in., preconditioned, pkg of 1 ea	Carbosieve® SIII glass TD tube, fritted, O.D. × I.D. × L 6 mm × 4 mm × 7 in., preconditioned, pkg of 1 ea	Carbotrap® 217 O.D. × L 1/4 in. × 3 1/2 in., stainless steel TD tube, Sealed with Brass Endcaps, preconditioned, pkg of 10 ea
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 29742-U Tenax® GR 60/80 mesh, O.D. × L 1/4 in. × 3 1/2, stainless steel TD tube, sealed with Brass Endcaps, preconditioned, pkg of 10 ea	 29741-U Tenax® TA 60/80 mesh, O.D. × L 1/4 in. × 3 1/2 in., stainless steel TD tube, sealed with (Brass Endcaps), preconditioned, pkg of 10 ea	29714-U Watercol™ 1910 Capillary GC Column L × I.D. 30 m × 0.32 mm, d _f 0.26 µm	29711-U Watercol™ 1910 Capillary GC Column L × I.D. 30 m × 0.25 mm, d _f 0.20 µm	29691-U SLB®-ILD3606 Capillary GC Column L × I.D. 60 m × 0.25 mm, d _f 0.20 µm
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Protocoles et articles

Articles

[Thermal Desorption Tube Selection Guide](#)
In addition to the general guidelines presented in the tables below view the technical report titled "A Tool for Selecting an Adsorbent for Thermal Desorption Applications" (1,770Kb pdf - T402025), w...
Keywords: Sample preparations

Documentation référencée

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[Efficient adsorption of super greenhouse gas \(tetrafluoromethane\) in carbon nanotubes.](#)
Piotr Kowalczyk and Robert Holyst
Environmental science & technology, 42(8), undefined (2008-5-24)
Light membranes composed of single-walled carbon nanotubes (SWNTs) can serve as efficient nanoscale vessels for encapsulation of tetrafluoromethane at 300 K and operating external pressure of 1 bar. We use grand canonical Monte Carlo simulation for m...[Read More](#)

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[Evaluation of solid adsorbent materials for cryogen-free trapping-gas chromatographic analysis of atmospheric C2-C6 non-methane hydrocarbons.](#)
Jan Pollmann et. al
Journal of chromatography. A, 1134(1-2), undefined (2006-10-3)
Nine commercial solid adsorbent materials (in order of decreasing surface area: Carboxen 1000, Carbosieve S III, molecular sieve 5A, molecular sieve 4A, silica gel, Carboxen 563, activated alumina, Carbotrap and Carboxen 1016) were investigated for t...[Read More](#)

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R Magnusson et. al
Journal of chromatography. A, 1375, undefined (2014-12-17)
Phosphine (PH3), sulfuryl fluoride (SO2F2) and methyl bromide (CH3Br) are highly toxic chemical substances commonly used for fumigation, i.e., pest control with gaseous pesticides. Residues of fumigation agents constitute a health risk for workers af...[Read More](#)

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[Using mesoporous silica MCM-41 for in-line enrichment of atmospheric volatile organic compounds.](#)
Tung-Min Wu et. al
Journal of chromatography. A, 1105(1-2), undefined (2005-10-8)
A mesoporous silica MCM-41 with pore size of 29A was synthesized and assessed for its applicability as a sorbent for in-line trapping of volatile organic compounds (VOCs) from air samples. Several commercially available microporous carbon molecular s...[Read More](#)

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[Prevention of water vapour adsorption by carbon molecular sieves in sampling humid gases.](#)
M Gawrys et. al
Journal of chromatography. A, 933(1-2), undefined (2002-1-5)
The water uptake by the solid sorbents Carbosieve S-III, Carboxen 569, 1000 and 1001, all of which are used for sampling of volatile organic compounds from the atmosphere. was examined using a direct experimental approach. The content of retained wat...[Read More](#)

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[Optimisation of sorbent trapping and thermal desorption-gas chromatography-mass spectrometric conditions for sampling and analysis of hydrogen cyanide in air.](#)
Yannick Juillet et. al
The Analyst, 130(6), undefined (2005-5-25)
Among the chemicals belonging to the schedules of the Chemical Weapons Convention (CWC), sampling and analysis of highly volatile compounds such as hydrogen cyanide (HCN) require special consideration. The latter is present in numerous old chemical ...[Read More](#)

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[Performance evaluation of a sorbent tube sampling method using short path thermal desorption for volatile organic compounds.](#)
C Y Peng and S Batterman
Journal of environmental monitoring : JEM, 2(4), undefined (2001-3-16)
Air sampling, using sorbents, thermal desorption and gas chromatography, is a versatile method for identifying and quantifying trace levels of volatile organic compounds (VOCs). Thermal desorption can provide high sensitivity, appropriate choices ...[Read More](#)

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[Rapid method for the radioisotopic analysis of gaseous end products of anaerobic metabolism.](#)
D R Nelson and J G Zeikus
Applied microbiology, 28(2), undefined (1974-8-1)
A gas chromatographic procedure for the simultaneous analysis of (14)C-labeled and unlabeled metabolic gases from microbial methanogenic systems is described. H(2), CH(4), and CO(2) were separated within 2.5 min on a Carbosieve B column and were dete...[Read More](#)

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[Comparison of nutshell granular activated carbons to commercial adsorbents for the purge-and-trap gas chromatographic analysis of volatile organic compounds.](#)

L H Wartelle et. al

Journal of chromatography. A, 879(2), undefined (2000-7-13)

Granular activated carbons (GACs) made from agricultural by-products were investigated as adsorbents for short path thermal desorption gas chromatographic analysis of selected polar and nonpolar organic compounds. GACs made from macadamia nut, black ...[Read More](#)

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[Development and validation of personal monitoring methods for low levels of acrylonitrile in workplace atmosphere: II. Thermal desorption and field validation.](#)

R A Borders et. al

American Industrial Hygiene Association journal, 47(3), undefined (1986-3-1)

Thermal desorption is a more sensitive alternative to solvent desorption for the determination of acrylonitrile in air. A dual-bed collection tube (Tenax GC and Carbosieve B) was developed for collecting and concentrating low levels of acrylonitrile....[Read More](#)

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[Process sampling module coupled with purge and trap-GC-FID for in situ auto-monitoring of volatile organic compounds in wastewater.](#)

Hsin-Wang Liu et. al

Talanta, 80(2), undefined (2009-10-20)

An automatic sampling device, i.e., process sampling module (PSM), connected with a purge and trap-GC-FID system has been developed for real-time monitoring of VOCs in wastewater. The system was designed to simultaneously monitor 17 compounds, includ...[Read More](#)

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[Evaluation of a sampling method for the measurement of occupational exposures to ethylene.](#)

John L Martin and Daniel J Caldwell

Journal of occupational and environmental hygiene, 1(6), undefined (2004-7-9)

In an effort to assess the scope of occupational exposures to ethylene, the Olefins Panel of the American Chemistry Council designed and conducted a research project to develop and apply a sampling and analytical method to measure workplace exposure....[Read More](#)

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[Low-flow active and passive sampling of VOCs using thermal desorption tubes: theory and application at an offset printing facility.](#)

Stuart Batterman et. al

Journal of environmental monitoring : JEM, 4(3), undefined (2002-7-4)

While air sampling techniques using adsorbent-based collection, thermal desorption and chromatographic analysis have found a niche in ambient air sampling, occupational applications have been more limited. This paper evaluates the use of thermal deso...[Read More](#)

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[Performance catalytic ozonation over the carbosieve in the removal of toluene from waste air stream.](#)

Mohammad Reza Samarghandi et. al

Journal of research in health sciences, 14(3), undefined (2014-9-12)

Toluene is a volatile organic compound, one of 189 hazardous air pollutants (HAPs) and the most important pollutant found in most industries and indoor environments; owing to its adverse health, toluene must be treated before being released into the ...[Read More](#)

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[Cryogenic trapping for determination of odor concentration.](#)

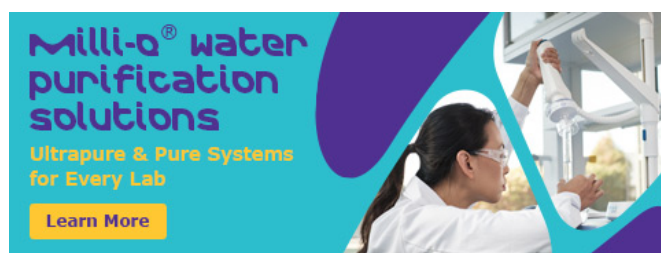
J Masuda et. al

Water science and technology : a journal of the International Association on Water Pollution Research, 50(4), undefined (2004-10-16)

The sensory testing method applied under Japanese law to measure odor concentration has a lower detection limit of 10 in the specified Odor Index. To measure odor below the limit, a condensing procedure using solid sorbents (Tenax-TA, Unicarbon B and...[Read More](#)

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