



57928-U Supelco

# SPME fiber assembly Polydimethylsiloxane (PDMS)

metal alloy fiber, df 100 µm (bonded phase), needle size 23 ga, for use with autosampler



FDS

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## Propriétés

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| Related Categories  | Analytical/Chromatography, Polydimethylsiloxane (PDMS) fibers, <i>non-polar</i> , SPME Fiber Assemblies, SPME Fibers and Holders, SPME Metal Alloy Fiber Assemblies, Plus... |
| material            | metal alloy fiber                                                                                                                                                            |
|                     | red hub plain                                                                                                                                                                |
| needle size         | 23 ga                                                                                                                                                                        |
| packaging           | pkg of 1 × ea                                                                                                                                                                |
| df                  | 100 µm (bonded phase)                                                                                                                                                        |
| fiber size          | 1 cm                                                                                                                                                                         |
| matrix active group | Polydimethylsiloxane (PDMS) coating                                                                                                                                          |
| compatibility       | for analyte group volatiles (MW 60-275)                                                                                                                                      |
|                     | for use with autosampler                                                                                                                                                     |
|                     | <a href="#">montrer moins de résultats</a>                                                                                                                                   |

## Informations Sécurité

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

## Documents

Certificat d'Analyse

P385021

Devis/ Commande de produits Bulk FDS

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SPME fiber assembly Polydimethylsiloxane (PDMS)

metal alloy, df 7 µm (bonded phase, needle size 23 ga, for use with autosampler. coating 7 µm

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metal alloy, df 30 µm (bonded phase, needle size 23 ga, for use with autosampler

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SPME fiber assembly Polydimethylsiloxane (PDMS)

df 100 µm (nonbonded phase, for use with manual holder, needle size 23 ga)

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## Articles

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From our library of Articles, Sigma-Aldrich presents GC Analysis of Trichloroanisole (TCA) and Precursors in Red Wine (Spiked) on SLB-5ms after SPME using 100 µm PDMS Fiber  
Keywords: Chromatography, Electron capture detector, Gas chromatography, Purification, Solid phase microextractions

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Keywords: Solid phase microextractions

## Documentation référencée

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read abstract

Headspace solid-phase microextraction-gas chromatography-mass spectrometry characterization of propolis volatile compounds.

Federica Pellati et. al  
Journal of pharmaceutical and biomedical analysis, 84, undefined (2013-6-29)  
In this study, a novel and efficient method based on headspace solid-phase microextraction (HS-SPME), followed by gas chromatography-mass spectrometry (GC-MS), was developed for the analysis of propolis volatile compounds. The HS-SPME procedure, whos...[Read More](#)  
Pawliszyn, Janusz Applications of Solid Phase Microextraction , 674-674, (1999)

read abstract

Measurement of trihalomethanes in potable and recreational waters using solid phase micro extraction with gas chromatography-mass spectrometry.

M A Stack et. al  
Chemosphere, 41(11), undefined (2000-11-1)  
Solid phase micro extraction (SPME) was applied to the determination of selected trihalomethanes (THMs), chloroform, bromodichloromethane, dibromochloromethane, bromoform, in potable and recreational waters. The selected samples were environmentally ...[Read More](#)  
Talon, R., Montel, M. Applied SPME , 364-371, (1999)  
Pawliszyn, Janusz Handbook of Solid Phase Microextraction , 410-410, (2009)

read abstract

2-Methyl-3-furanthiol and methional are possible off-flavors in stored orange juice: aroma-similarity, NIF/SNIF GC-O, and GC analyses.

Y Bezman et. al  
Journal of agricultural and food chemistry, 49(11), undefined (2001-11-21)  
The occurrence of methional in fresh orange juice, and possible occurrence of beta-damascenone in heated orange juice, has been previously suggested. Here we report on the occurrence of 2-methyl-3-furanthiol in the headspace, collected by solid-phase...[Read More](#)  
Edited by Sue Ann Scheppers Wercinski Solid Phase Microextraction: A Practical Guide , 257-257, (1999)

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Influence of vine training and sunlight exposure on the 3-alkyl-2-methoxypyrazines content in musts and wines from the Vitis vinifera variety cabernet sauvignon.

Cristina Sala et. al  
Journal of agricultural and food chemistry, 52(11), undefined (2004-5-27)  
The influence of vine training and sunlight exposure on the 3-alkyl-2-methoxypyrazines contents in musts and wines was studied by means of two previously reported methods based on headspace solid-phase micro-extraction. Experimental samples were moni...[Read More](#)  
Pawliszyn, Janusz Solid Phase Microextraction: Theory and Practice , 264-264, (1997)

read abstract

[Preparation of a novel activated carbon coating fiber for solid phase micro-extraction and its application for halocarbon compound analysis in water].

Shutao Wang et. al  
Se pu = Chinese journal of chromatography, 22(5), undefined (2005-2-15)  
A novel activated carbon coating fiber used for solid phase micro-extraction (SPME) was prepared using activated carbon powder and silica resin adhesive. The extraction properties of the novel activated carbon coating fiber were investigated. The res...[Read More](#)

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The scent of Mycobacterium tuberculosis.

Mona Syhre and Stephen T Chambers  
Tuberculosis (Edinburgh, Scotland), 88(4), undefined (2008-2-26)  
Worldwide, tuberculosis (TB) kills nearly 2 million people annually, yet rapid diagnosis still relies on a 100-year-old method of sputum staining for acid-fast bacilli. The advent of solid phase micro-extraction and gas chromatography/mass spectromet...[Read More](#)  
SPME Associated with Microwave Assisted Extraction of Food Products Wang, Y., et al. Journal of High Resolution Chromatography 20 (4), 213-216, (1997)  
SPME and Chiral Gas Chromatography Separations Mani, V., Woolley, C. LC-GC 13 (9), 734-740, (1995)

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Coating of peanuts with edible whey protein film containing alpha-tocopherol and ascorbyl palmitate.  
J H Han et. al  
Journal of food science, 73(8), undefined (2008-11-21)  
Physical properties of whey protein isolate (WPI) coating solution incorporating ascorbic palmitate (AP) and alpha-tocopherol (tocopherol) were characterized, and the antioxidant activity of dried WPI coatings against lipid oxidation in roasted peanu...[Read More](#)

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Solid-phase micro-extraction procedure for the determination of 1,3-dichloro-2-propanol in water by on-fibre derivatisation with bis(trimethylsilyl)trifluoroacetamide.  
Antonia Maria Carro et. al  
Analytical and bioanalytical chemistry, 394(3), undefined (2009-4-11)  
The headspace solid-phase micro-extraction technique with on-fibre derivatisation followed by gas chromatography-tandem mass spectrometry has been evaluated for the analysis of 1,3-dichloro-2-propanol in water. An asymmetric factorial design has been...[Read More](#)  
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