

La solution à votre problème chromatographique... ... est dans la documentation RESTEK !

Demandez-la nous, elle est **GRATUITE** !

Choisissez parmi notre abondante documentation technique classée par domaine d'intérêt (environnement, pharmacie, pétrochimie, médico-légal, aliments/arômes/parfums, analyse de l'air, ...) et par produits (colonnes GC, colonnes HPLC, accessoires, ...), le document concernant votre application.

Nous vous proposons 4 types de documentation :

- Les **Notes d'Applications** : Un certain nombre de notes d'applications renfermant de précieuses informations concernant des analyses spécifiques.
- Les **"Fast Facts"** : Des fiches produits décrivant les caractéristiques et les avantages des produits Restek.
- Les **Guides Techniques** : Des brochures techniques ayant pour thème des techniques analytiques ou des analyses particulières.
- Le **catalogue général**, les **catalogues spécifiques**, la **revue Restek Advantage**, les **posters**, ... sont regroupés sous la rubrique **"Autres documentations"**.

Restek : Votre source d'information pour la chromatographie.



NOTES D'APPLICATIONS

Analyse/prélèvement d'air

- 59164B Sulfinert®-Treated Sample Cylinders
- 59189A Optimization of TO-Can™ Air Monitoring Canisters
- 59347A Stability of Low-Level (1ppb-20ppb) Reactive Sulfurs in SilcoCan™ Canisters

Chime/Pétrochimie

- 59164B Sulfinert® Sample Cylinders Increase Holding Time for Sulfur Compounds
- 59165 Rt-XLSulfur™ Packed GC Column for Low-Level Sulfur Compounds in C1-C6 Hydrocarbon Streams
- 59479A MXT®-1HT Sim Dist: A High-Temperature Polydimethylsiloxane-Phase Column for ASTM D-6352-98 Simulated Distillation Analyses (pdf uniquement)
- 59538A Molecular Sieve 5A and 13X Packed GC Columns for Permanent Gas Separations (pdf uniquement)
- 59540 Bonded PLOT Columns for Dual-Column GC of Gases and Volatiles
- 59549A OPN and *n*-Octane on Res-Sil™ C Packing for the Separation of Hydrocarbons (pdf uniquement)
- 59551A GC Analysis of Petroleum Products by Simulated Distillation, Using MXT® Sim Dist Columns (pdf uniquement)
- 59567B Rtx®-2887/MXT®-2887: Restek's Capillary GC Columns for Simulated Distillation of Petroleum Fractions (pdf uniquement)
- 59568 Rtx®-1PONA GC Column for Petroleum Products (pdf uniquement)
- 59570A Rtx®-1: A Bonded Packed Column for Simulated Distillation (pdf uniquement)
- 59571 Rtx®-Wax Column
- 59573A Sulfur Compounds at ppb Levels, Using an Rt-XLSulfur™ Micropacked GC Column or an Rtx®-1 Thick Film Capillary GC Column
- 59587A Analyzing Oxygenates in Gasoline, Using TCEP and Rtx®1/MXT®-1 Columns (pdf uniquement)

México-légal, Toxicologie

- 59118A Allure® PFP Propyl and Ultra PFP HPLC Columns Improve Analyses of Basic Compounds
- 59124 Ultra C4 HPLC Column: High Stability at Low pH (pdf uniquement)
- 59141 Analyze Nucleotides, Nucleosides, Purines, and Pyrimidines Simultaneously: Ultra IBD HPLC Column (pdf uniquement)
- 59548 Commonly Abused Inhalants in Blood, Using Rtx®-BAC1 and Rtx®-BAC2 GC Columns
- 59574 Fire Debris Analysis (pdf uniquement)
- 59575 Barbiturate Analysis (pdf uniquement)
- 59576 Opiate Analysis (pdf uniquement)
- 59598A GC Analysis of Blood Alcohols, Using Rtx®-BAC1 and Rtx®-BAC2 Columns and a Perkin-Elmer HS 40 Headspace Autosampler (pdf uniquement)

Environnement

- 59101 Triazine Herbicides, Using Rtx®-CLPesticides and Rtx®-CLPesticides2 GC Columns
- 59110 CarboPrep™ SPE Cleanup of Chlorinated Pesticides (pdf uniquement)
- 59111 Minimizing Breakdown of Chlorinated Pesticides, Using Siltek®-Deactivated GC Accessories (pdf uniquement)
- 59113 Siltek® Deactivation Delivers Inertness to Analyte Breakdown and Reactivity, and Durability to Physical and Chemical Challenges (pdf uniquement)
- 59120 Rtx®-CLPesticides and Rtx®-CLPesticides2 Columns: Ideal Confirmation Pair for Polychlorinated Biphenyls (pdf uniquement)
- 59125 Improving Throughput of Semivolatile GC/MS Analysis, Using a Performance-Based Measurement System, Rtx®-5Sil MS Column, and Unliner® Inlet Liner

NOTES D'APPLICATIONS

Environnement (suite)

- ☐ 59131 Rtx®-5Sil MS Column: Best Resolution for Gasoline Range Organic GRO Compounds in Alaska Method AK101AA
- ☐ 59142 CarboPrep™ SPE Cleanup of Method 8141A Organophosphorus Pesticides and Herbicides
- ☐ 59150 Optimizing Massachusetts Volatile Petroleum Hydrocarbon GC Analysis
- ☐ 59162 Fewer Coelutions and Faster GC Analysis of EPA Method 8095 Explosives, Using Rtx®-TNT and Rtx®-TNT2 Column Pair
- ☐ 59175 GC/ECD Analysis of Haloacetic Acids in Water, Using Rtx®-CLPesticides and Rtx®-CLPesticides2 Columns
- ☐ 59187 Optimizing GC Analysis of Ethylene Glycol in Water
- ☐ 59190 Separating *m*- and *p*-Xylene Isomers by US EPA Method 8260, Using an Rtx®-200 GC Column (pdf uniquement)
- ☐ 59191 Volatiles by GC/MS Using an Rtx®-VMS Column
- ☐ 59196A Analysis of Polycyclic Aromatic Hydrocarbons Using Rtx®-5Sil MS and Rtx®-CLPesticides2 Columns
- ☐ 59343 Fast Analysis of Dioxin and Related Compounds, Using an Rtx®-5MS Column
- ☐ 59345 Resolving Oxygenates from Gasoline Additives, Using an Rtx®-VGC GC Column
- ☐ 59351B Stx™-CLPesticides and Stx™-CLPesticides2 Columns: Improved Inertness for Chlorinated Pesticides
- ☐ 59359 Improved Analysis of Organophosphorus Pesticides, Using Rtx®-OPPesticides and Rtx®-OPPesticides2 Columns
- ☐ 59361 HPLC of Trace-Level Explosives, Using Pinnacle II C18 and Cyano Columns
- ☐ 59487 Higher Responses for Chlorinated Pesticides, Using a Drilled Uniliner® GC Inlet Liner and Rtx®-CLPesticides Column
- ☐ 59539 US EPA Method 504.1 Organochlorine Pesticides, Using Rtx®-CLPesticides and Rtx®-CLPesticides2 GC Columns
- ☐ 59544 Extraction of Oil and Grease from Wastewater, Using US EPA Method 1664 and Resprep™ Oil and Grease SPE Disks and Flow Filters (pdf uniquement)
- ☐ 59547 US EPA Method 8081A Chlorinated Pesticides, Using Rtx®-CLPesticides & Rtx®-CLPesticides2 GC Columns
- ☐ 59552 GC/MS Analysis of Azo Dye Compounds
- ☐ 59557 SPE Extraction for EPA Method 525.1 (pdf uniquement)
- ☐ 59558 PCB Screening in Less Than 10 Minutes
- ☐ 59559A Chlorophenoxy Herbicides Using Rtx®-CLPesticides and Rtx®-CLPesticides2 GC Columns
- ☐ 59562A Florisil® SPE Cleanup for Organochlorine Pesticides and Polychlorinated Biphenyls
- ☐ 59563 Extraction of Paraquat & Diquat from Water, Using Resprep™-C8-47 Extraction Disks (pdf uniquement)
- ☐ 59564 Extraction of PCBs, using Resprep™-C18-47 SPE Disks and Resprep™-6D Extraction System (pdf uniquement)
- ☐ 59565A Extraction of Polynuclear Aromatic Hydrocarbons, Using Resprep™-18-47 SPE Disks and Resprep™-6D Extraction System
- ☐ 59571 Rtx®-Wax Column (pdf uniquement)
- ☐ 59856 Trace Oxygenates in Petroleum-Contaminated Wastewater, Using Purge-and-Trap/GC/MS US EPA Methods 5030B & 8260
- ☐ 580006 Paraquat/Diquat Analysis on an Ultra Quat HPLC Column

Aliments, arômes et parfums

- ☐ 59128 Omega-3 (n-3) and Omega-6 (n-6) Fatty Acid Composition in Evening Primrose Oil, Flax Seed Oil, Black Currant Oil, and Borage Oil (pdf uniquement)
- ☐ 59136 Institute for Nutraceutical Advancement (INA) Validates GC Methods for Saw Palmetto, Using Rtx®-5 and Stabilwax® Columns
- ☐ 59155B Volatile Free Fatty Acids on the Stabilwax®-DA GC Column
- ☐ 59186 Vanillin and Ethyl Vanillin in Vanilla Flavors
- ☐ 59199 Heat Level of Spicy Foods, Using an Ultra C18 HPLC Column
- ☐ 59335 Glucosinolates in Vegetable Extracts, without Ion Pairing, Using an Ultra Aqueous C18 HPLC Column (pdf uniquement)
- ☐ 59348 Volatile Compounds in Food Contact Packaging, Using Purge and Trap GC/MS and an Rtx®-5MS Column
- ☐ 59358 Sulfur Impurities in Beverage-Grade Carbon Dioxide, Using the Rt-XLSulfur™ Micropacked Column

Aliments, arômes et parfums (suite)

- ☐ 59364 Nutraceuticals by HPLC and GC
- ☐ 59398 Analysis of Preservatives, Using HPLC
- ☐ 59485 Acrylamide Analysis by GC
- ☐ 59530 Single-Column HPLC Method for Organic Acids in Fruit Juices, Using an Allure® Organic Acids Column
- ☐ 59546 Chiral Flavor Compounds in Apple Juices, Using Rt-βDEXsm™ and Rt-βDEXse™ GC Columns (pdf uniquement)
- ☐ 59553 Grape Flavor, Using an Rt-γDEXsa™ GC Column (pdf uniquement)
- ☐ 59580A Fast, Selective Triglyceride Analysis
- ☐ 59581 Cholesterol and Other Dietary Sterols
- ☐ 59584B FAMES Analyses: High-Resolution Analyses of Fatty Acid Methyl Esters
- ☐ 59585A Using Computer Modeling to Optimize FAME Analysis

Divers

- ☐ 59124 Ultra C4 HPLC Column: High Stability at Low pH (pdf uniquement)
- ☐ 59742 Pinnacle DB HPLC Columns as Replacements for Hypersil® BDS

Pharmacie

- ☐ 59107 European Pharmacopoeia Tests - Newly Revised for Residual Solvents (pdf uniquement)
- ☐ 59108 Improved GC Analysis of Basic Organic Compounds, Using Base-Deactivated Columns and Inlet Liners (pdf uniquement)
- ☐ 59118A Allure® PFP Propyl and Ultra PFP HPLC Columns Improve Analyses of Basic Compounds
- ☐ 59133 Excellent LC/MS Separation of Penicillins and Cephalosporins, Using Ultra IBD Columns
- ☐ 59141 Analyze Nucleotides, Nucleosides, Purines, and Pyrimidines Simultaneously with the Ultra IBD HPLC Column (pdf uniquement)
- ☐ 59151 Cardiac Medications by HPLC
- ☐ 59339 Phenylpropanolamine in Cold Medications, Using an Rtx®-5Amine GC Column
- ☐ 59453 Analysis of Narcotics and Narcotic / Acetaminophen Admixtures: What to do When Compendium Methods Don't Work (HPLC)
- ☐ 59511A Improved HPLC Analysis of Analgesics
- ☐ 59512 Ultra IBD Column Allows HPLC Separation of Polar and Non-Polar Analytes from the Same Sample
- ☐ 59577C GC Analysis of Organic Volatile Impurities According to USP 467 Supplement Two of USP 25-NF 20 / January, 2002 (pdf uniquement)
- ☐ 580020 Steroids on Allure® Biphenyl HPLC Columns
- ☐ 580027 GC Analysis of Non-Purgeable Solvents in Pharmaceutical Discharges

Traitements de surface

- ☐ 59082 Sulfur Compound Sampling, Storage, and Transfer Considerations (pdf uniquement)
- ☐ 59089 Prevent Adsorption of Mercury, Sulfur, and Nitrogen Compounds in Stack and Monitoring Equipment
- ☐ 59090 Improve Corrosion Resistance of Stainless Steel Tenfold, or More
- ☐ 59164B Sulfinert® Treated Sample Cylinders for Low ppb Sulfur Analyses
- ☐ 580001 Faster Dry-Down with Silcosteel®-CR Treatment
- ☐ 580012 Treated Sampling System Components from Restek Performance Coatings Group
- ☐ 580024 Improve Engine Performance with Silcosteel®-AC Surface Treatment
- ☐ 580165 Reliable Sampling at the Well or in the Refinery
- ☐ 59076 Restek Performance Coatings: Products Bibliography
- ☐ 59318A Sulfinert® Coatings (pdf uniquement)
- ☐ 59532 Silcosteel®-UHV: Dramatically Reduce Outgassing in UHV Systems
- ☐ 59803A Siltek® Deactivation (pdf uniquement)
- ☐ 59938 Restek Performance Coatings: Treated Stock Products
- ☐ 59956 Silcosteel®-CR: Achieve Specialty Alloy Performance Using Austenitic Stainless Steels

"FAST FACTS" et fiches produits

Analyse de l'air

- 59285A TO-Can™ Air Monitoring Canisters
- 59290B Passive Air Sampling Kits
- 59315 Ultra-Clean Resin

Etalons de référence

- 59085B Analytical Reference Materials New in 2007 (pdf uniquement)
- 59214A Analytical Reference Materials (pdf uniquement)
- 59215A Weathered Petroleum Analytical Reference Materials (pdf uniquement)
- 59276B Environmental Gas Standards
- 59326B Semivolatile Organic Reference Materials: US EPA Method 8270D/Appendix IX Target Compounds
- 59332C Volatile Organic Reference Materials for US EPA Method 8260B
- 59381A Explosives
- 59382B Ethanol Standards for Blood Alcohol Testing
- 59383A Calibration Standards for ASTM Method D2887-01, Boiling Range Distribution of Petroleum Products (pdf uniquement)
- 59384B Certified PAHs in Composite Diesel Fuel #2 / Certified Aromatics in Unleaded Gasoline
- 59391 UST Monitoring: Massachusetts
- 59392 UST Monitoring: Wisconsin
- 59394 UST Monitoring: Texas
- 59395 UST Monitoring: Florida
- 59396 UST Monitoring: Northwest Regional
- 59397 EPA Office of Underground Storage Tanks OUST: Recommended Methods
- 59433 UST Monitoring: California
- 59446 Partners in Pesticides Analysis (pdf uniquement)
- 59503 UST Monitoring: Alaska
- 59504 UST Monitoring: Iowa
- 59521B Aldehyde/Ketone DNPH Analysis for CARB 1004, ASTM Method D5197, and US EPA Methods TO-11A and 8315 (pdf uniquement)

Colonnes GC

- 59016 Colonne Rtx®-1701/MXT®-1701
- 59053 Colonne GC Restek
- 59204B Colonne Rtx®-5Sil MS (pdf uniquement)
- 59209A Colonne Rtx®-VMS (pdf uniquement)
- 59217 Colonne Rtx®-VGC
- 59218 Colonne Rtx®-TNT/TNT2
- 59247 Colonne Rtx®-VRX
- 59275 Colonne Rtx®-OPPesticides2
- 59308 Colonne Rtx®-1/MXT®-1 (pdf uniquement)
- 59317 Colonne Rtx®-1301/MXT®-1301
- 59322 Colonne Rtx®/MXT®-200

Colonnes GC (suite)

- 59327 Rt-XLSulfur™ Packed columns (and Micropacked)
- 59329 Colonne Rtx®-VMS
- 59330 Colonne Rtx®-5 Amine (pdf uniquement)
- 59380 Colonne Rtx®-35 Amine
- 59439 Colonne Rtx®-200 (pdf uniquement)
- 59441 Colonne Integra-Guard™
- 59519A ShinCarbon ST Micropacked columns : Above-Ambient Analyses of Permanent Gases and Light Hydrocarbons (pdf uniquement)
- 59957 Colonne Rtx®-XLB Low Bleed (pdf uniquement)
- 580016 Colonne Rtx®-CLPesticides : Reduce Analysis Time; Reduce System Maintenance
- 580043 Colonne Restek GC : accept no substitutes (cross-references Restek columns and columns from other manufacturers)
- 580046A Colonne Rxi®-5MS (pdf uniquement)
- 580075B Colonne Rxi™-1ms
- 580086 Rxi® columns Booklet

Accessoires GC

- 59009A Dual Vespel® Ring Inlet Seals
- 59208G GC Essentials (one-stop shopping for GC inlet needs)
- 59324 6890 Uniliner® Liner (pdf uniquement)
- 59498A EZ No-Vent™ GC-MS Connector for Agilent & Varian
- 59505 Vu2 Union™: Maintain Seal Integrity (pdf uniquement)
- 59877 Drilled Uniliner® GC Inlet Liner: Minimize Adsorption of Active Analytes
- 59878A Vu2 Union™ & SeCure™ "V" Connectors (pdf uniquement)
- 59893C Inlet Supplies (for Agilent, PerkinElmer, Shimadzu, Thermo Finnigan, Varian gas chromatographs)
- 580040 EZ Twist Top™ Injection Port (not available in Germany or Japan)
- 580050 Parker Balston® Zero Air Generators (pdf uniquement)
- 580051 Parker Balston® FID Gas Stations (pdf uniquement)
- 580052 Parker Balston® Nitrogen Generators (pdf uniquement)
- 580053 ChromGas® Hydrogen Generators (pdf uniquement)
- 580054 Restek Electronic Leak Detector
- 580088 Septacular! Precision-molded, low-bleed septa from Restek
- 580129 Super-Clean™ Gas Filters from Restek

Colonnes HPLC

- 59281 Colonne Pinnacle II
- 59314 Trident Direct Guard Column System (pdf uniquement)
- 59371 Colonne Ultra Aqueous C18
- 59385A Colonne Pinnacle II Amino
- 59499 Colonne Pinnacle DB
- 59613B Colonne Allure® C18
- 59614B Colonne Ultra IBD



TIMBRE

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“FAST FACTS” et fiches produits

Colonnes HPLC (suite)

- 59741A Environmental HPLC
- 59901 High Performance Silica Products
- 59939 Colonnes Viva Wide Pore HPLC
- 580015 Colonnes Allure® Biphenyl HPLC :
Enhanced Selectivity for Unsaturated Compounds
- 580089 Restek—Your One Source for Kromasil® HPLC Columns and Bulk
Packing Materials

Accessoires HPLC

- 59012A Genuine Restek Replacement Parts for HPLC Systems
- 59728A Mobile Phase Accessories

Préparation d'échantillons

- 59921A Supplies & Accessories for ASE® Systems

Autres documentations (Catalogues, posters, ...)

- 580116 **Catalogue général (version française)**
- 58059241C **Catalogue HPLC**
- 59208G GC Essentials
- 59216D Gas Purification Essentials (pdf uniquement)
- 59224A Genuine Restek Replacement Parts for Varian GCs (pdf uniquement)
- 59225C Vial, Syringe & Liner Essentials (pdf uniquement)
- 59253 USP Column Cross-Reference Chart
- 59260A Foods, Flavors, Fragrances (guide/catalogue)
- 59298 Petrochemical In-Review
- 59454C HPLC Column Selection Guide
- 59489 Foods Flavors & Fragrances In-Review
- 59493 Restek Performance Coatings Services Brochure
- 59612A Tube Fitting Installation Manual (pdf uniquement)
- 59627F Genuine Restek Replacement Parts for Agilent GCs

GUIDES TECHNIQUES

- 59260A Foods Flavors Fragrances
- 59411A Semivolatiles Organic Compounds
- 59462 Alcoholic Beverages by GC
- 59738 Cleaning and Personal Care Products by GC and HPLC
- 59880A Hints for Using Split/Splitless Injectors
- 59882A Direct and On-column Flash Vaporization Injection
- 59887A Volatile Organic Compounds
- 59889 Chiral Compounds by GC
- 59890 Selection Guide for Polar WAX GC Column Phases
- 59892 Preparing and Analyzing Chlorinated Pesticides (pdf uniquement)
- 59895A Static Headspace Analysis, Using GC
- 59977B Passive Air Sampling, Using Canisters

- 59668A GC Column Installation
- 59741A Environmental HPLC:
Applications-Columns-Reference Materials (pdf uniquement)
- 59744 Massachusetts EPH/VPH/APH Methods
- 59879 Cool Tools! for GC and HPLC (pdf uniquement)
- 59893C Inlet Supplies Guide
- 59894A HPLC Technical Tips Wall Chart
- 59989A Clinical/Forensics Catalog
- 580026 Clinical/Forensics In-Review
- 580037 Genuine Restek Replacement Parts for Shimadzu GCs
(pdf uniquement)
- 580038 Genuine Restek Replacement Parts for PerkinElmer GCs
(pdf uniquement)
- 580039 Genuine Restek Replacement Parts for Thermo Scientific GCs
(pdf uniquement)



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Bon de commande de documentation technique GRATUITE, à nous retourner dûment complété

Mme Mlle M. Nom : Prénom :

Société : Service :

Adresse :

Code postal : Ville :

tél. : Fax :

E-mail :

Je souhaite recevoir la documentation suivante (au maximum 6) :

Réf.	Réf.	Réf.
Réf.	Réf.	Réf.

Mon domaine d'activité est :

- Environnement : (préciser) eau sols/déchets air
- Aliments, arômes et parfums
- Pharmacie Médico-légal, Toxicologie
- Chimie/Pétrochimie Hydrocarbures
- autres : (préciser)

J'utilise les techniques suivantes :

(préciser la marque de vos appareils, ex : Agilent, Varian, ...)

- GC capillaire *Marque(s) :*
- GC/MS *Marque(s) :*
- HPLC *Marque(s) :*
- LCMS *Marque(s) :*
- Système d'extraction ASE 100 200 300
- SPE/SPME

Je souhaite recevoir régulièrement la documentation technique Restek par courrier :