Gas Chromatography

Ohio Valley Specialty COMPANY

# Custom-made Packed Columns

## Stainless Steel, Copper, Aluminum, Nickel and PTFE

## Our custom-made OV®-Packed columns carry a 100% Satisfaction Guarantee!

Orders for custom-made columns will be given immediate attention and most will be shipped within 24 hours from receipt of order. We can supply packed columns made with any combination of support and liquid phase listed in this catalog. We will also make every effort to supply your requirements for other supports or liquid phases.

- Over 42 years experience in packing preparation and column techniques.
- 24 hour delivery.
- Complete with brass Swagelok fittings.
- All stainless steel tubing is our premium grade, manufactured for GC use only.
- Each column packed in individual container. (No lost ferrules or end caps)
- OV's guide to packings and columns included

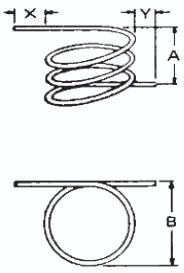



Diagram 1

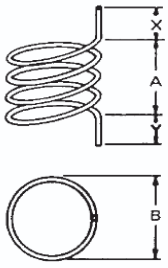



Diagram 2

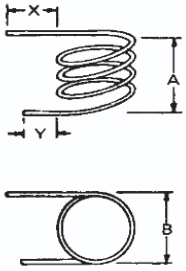



Diagram 3

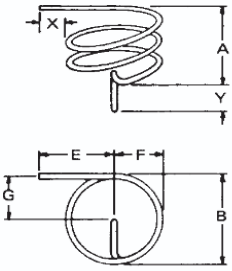



Diagram 4

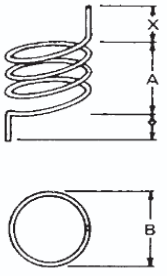



Diagram 5

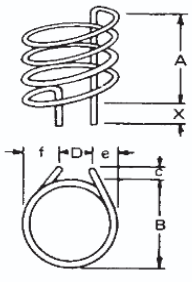



Diagram 6

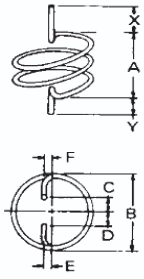



Diagram 7

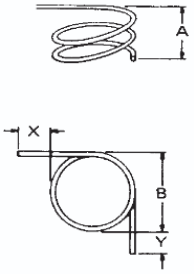



Diagram 8

AFP® Schivo Group

## Request A quote Example:

| 6’ | X | 1/8’ | Stainless Steel | 10% | OV® | Chromosorb W-HP | 80/10 | for | HP | 5890A |
|---|---|---|---|---|---|---|---|---|---|---|
| Length | | O. D. | Tubing Type (Column with Brass Fittings) | Percent Loading | Liquid Phase | Solid Support | Mesh Size | | GC Make | GC Model |

## Request A Quote:

### Stainless Steel, Copper, Aluminum, Nickel and PTFE Columns

Complete your information below and fax to (740) 373-9910. We will send you a firm quote.

| | X | | | | | | | for | |
|---|---|---|---|---|---|---|---|---|---|
| **Length** | | **O. D.** 1/8” 3/16” 1/4” 1/16” | **Tubing Type** Stainless Steel Copper Aluminum Nickel PTFE | **Percent Loading** | **Liquid Phase** | **Solid Support** | Mesh Size | | **GC Make & Model** |

☐ Brass Fittings (standard) ☐ Stainless Steel Fittings ☐ Preconditioned

SHOP NOW

Visit our website at afplifesciences.com

**Company** _____ **Contact Names** _____

**Address** _____

**City** _____ **State** _____ **Zip** _____

**Phone** _____ **Fax** _____ **Email** _____

# Stationary Phase

**Solvent Code:** A = Acetone, C = Chloroform, E = Ethyl Acetate, T = Toluene, M = Methanol
**1** Benzene, **2** Butanol, **3** Pentanone, **4** Nitropropane, **5** Pyridine

| Catalog Number | Description | Unit | Suggested Substitue | Solvent | McReynold's | | | | | °C Min/Max |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | |
| — | Amine 220* | — | AT-220 | C | 117 | 380 | 181 | 293 | 133 | 0/180 |
| **10023** | Armeen 2-C* | — | | T | | | | | | 0/125 |
| **10025** | Armeen SD* | — | | C | | | | | | 30/100 |
| **10017** | Apiezon L | 25g | | C | 32 | 22 | 15 | 32 | 42 | 20/100 |
| **10033** | Bentone 34 | 50g | | T,C | | | | | | 20/200 |
| **10043** | Bis(2-butoxyethyl) Phthalate | 20g | | M | 151 | 282 | 227 | 338 | 267 | 20/175 |
| **10045** | N, N-bis(2-cyanoethyl) formamide | 10g | | M | 690 | 991 | 853 | 1110 | 1000 | 20/125 |
| **10047** | Bis(2-ethylhexyl) Tetrachlorophthalate* | O√-√ | | C | 112 | 150 | 123 | 108 | 181 | 0/150 |
| **10049** | Butane 1,4 diol Succinate | 25g | | | 370 | 571 | 448 | 657 | 611 | |
| **10051** | Carbowax 400 | 50g | | C | 343 | 653 | 430 | | | 20/100 |
| **10053** | Carbowax 550 | 50g | | C | | | | | | 20/110 |
| **10055** | Carbowax 600 | 50g | | C | 350 | 631 | 428 | 632 | 605 | 20/120 |
| **10057** | Carbowax 750 | 50g | | C | | | | | | 25/130 |
| **10059** | Carbowax 1000 | 50g | | M | 347 | 607 | 418 | 626 | 589 | 40/150 |
| **10061** | Carbowax 1500 | 50g | | C | | | | | | 40/200 |
| **10063** | Carbowax 1540 | 50g | | C | 371 | 639 | 453 | 666 | 641 | 40/200 |
| **10065** | Carbowax 4000 | 50g | | C | 317 | 545 | 378 | 578 | 521 | 60/200 |
| **10067** | Carbowax 6000 | 50g | | C | 322 | 540 | 369 | 577 | 512 | 60/200 |
| **10069** | Carbowax 20M | 50g | | C | 322 | 536 | 368 | 572 | 510 | 60/250 |
| **10071** | Carbowax 20M-Terephthalic Acid | 50g | | C | 321 | 537 | 367 | 573 | 520 | 60/250 |
| **10073** | Castorwax* | -O | | C | 108 | 265 | 175 | 229 | 246 | 90/200 |
| **10079** | Chlorowax 70 (chlorinated paraffin)* | -O | | C | | | | | | /130 |
| **10081** | Citroflex A-4 (acetyl tributyl citrate) | 50g | | A | 135 | 268 | 202 | 314 | 233 | -25/180 |
| **10083** | Citroflex 4 (tributyl citrate) | 50g | | M | 135 | 286 | 213 | 324 | 262 | -15/150 |
| **10085** | Cyanoethylsucrose | 50g | | A | 647 | 919 | 797 | 1043 | 976 | 20/125 |
| **10093** | Dexsil 300 | 5g | | C | 47 | 80 | 103 | 148 | 96 | 20/450 |
| **10094** | Dexsil 400 | 5g | | C | 59 | 114 | 140 | 187 | 173 | 20/450 |
| **10095** | Dexsil 410 | 5g | | C | 85 | 165 | 169 | 242 | 180 | 20/450 |
| **10099** | Dibutyl Phthalate | 50g | | M | | | | | | -20/100 |
| **10101** | Didecyl Phthalate | 25g | | A | 136 | 255 | 213 | 320 | 235 | 20/150 |
| **10103** | Diethylene Glycol Adipate | 25g | | A | 378 | 603 | 460 | 665 | 658 | 20/190 |
| **10105** | Diethylene Glycol Succinate | 25g | DEGS-GC | A | 496 | 746 | 590 | 837 | 835 | 20/200 |
| **10107** | Di(2-ethylhexyl) Phthalate* | — | | M | 135 | 254 | 213 | 320 | 235 | 20/150 |
| **10109** | Di(2-ethylhexyl) Sebacate | 50g | | A | 72 | 168 | 108 | 180 | 125 | -20/125 |
| **10111** | Diglycerol | 10g | | M | 371 | 826 | 560 | 676 | 854 | 20/120 |
| **10113** | Diisodecyl Adipate | 50g | | M | 71 | 171 | 113 | 185 | 128 | -20/125 |
| **10115** | Diisodecyl Phthalate | 50g | | A | 84 | 173 | 137 | 218 | 155 | -20/150 |
| **10117** | Diisooctyl Phthalate* | — | | M,A | 94 | 193 | 154 | 243 | 202 | 0/175 |
| **10119** | Diisopropyl Phthalate* | — | | M | | | | | | 0/100 |
| **10121** | Dilauryl Phthalate | 10g | | M | 79 | 158 | 120 | 192 | 158 | 20/150 |
| **10123** | Dimer Acid* | — | | C | | | | | | 30/100 |
| **10127** | Dimethylformamide | 50g | | M | | | | | | -20/20 |
| **10129** | Dimethylsulfolane | — | | M | | | | | | 20/50 |

| Catalog Number | Description | Unit | Suggested Substitue | Solvent | McReynold's | | | | | °C Min/Max |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | |
| **10133** | Dinonyl Phthalate | 50g | | A | 83 | 183 | 147 | 231 | 159 | 20/150 |
| **10135** | Dioctyl Phthalate* | — | | A | 92 | 186 | 150 | 230 | 167 | -20/100 |
| **10137** | Diphenylformamide* | — | | M | | | | | | 75/1()0 |
| **10140** | EGSS-X | 10g | | C | 484 | 710 | 585 | 831 | 778 | 90/225 |
| **10141** | EPON 1001 (epoxy resin) | 50g | | C | 284 | 489 | 406 | 539 | 601 | 65/200 |
| **10143** | Ethofat 60/25 | 50g | | C | 191 | 382 | 244 | 380 | 333 | 50/125 |
| **10145** | Ethylene Glycol Adipate | 50g | Hi-Eff 2AP | C | 372 | 577 | 455 | 658 | 619 | 100/200 |
| **10149** | Ethylene Glycol Phthalate* | — | | C | 453 | 697 | 602 | 816 | 872 | |
| **10151** | Ethylene Glycol Sebacate* | — | | C | | | | | | 100/200 |
| **10155** | Ethylene Glycol Succinate | 25g | Hi-Eff-2BP | C | 537 | 787 | 643 | 903 | 889 | 100/200 |
| **10156** | FFAP | 25g | OV-351 | C | 340 | 580 | 397 | 602 | 627 | 00/275 |
| **10159** | Formamide | 50g | | M | | | | | | 20/50 |
| **10161** | Glycerol | 50g | | M | | | | | | 20/100 |
| **10163** | Halocarbon Oil 14-25 | 50g | | C | | | | | | 20/150 |
| **10165** | Hallcomid M-18* | — | | A | 79 | 268 | 130 | 222 | 146 | 40/150 |
| **10166** | Hallcomid M-18 OL | 50g | | M,C | 89 | 280 | 143 | 239 | 165 | 8/150 |
| **10171** | Hexamethylphosphoramide (HMPA) | 50g | | M | | | | | | 20/35 |
| **10401** | Hi-EFF-1AP | 25g | | C | 378 | 603 | 460 | 665 | 658 | 20/210 |
| **10402** | Hi-EFF-2AP | 25g | | C | 372 | 576 | 453 | 655 | 617 | 100/210 |
| **10405** | Hi-EFF-8BP* | — | | C | 271 | 444 | 330 | 498 | 463 | 100/250 |
| **10407** | Hi-EFF-1BP | 25g | | C | 499 | 751 | 593 | 840 | | 20/200 |
| **10408** | Hi-EFF-2BP | 25g | | C | 537 | 787 | 643 | 903 | 889 | 100/200 |
| **10175** | Igepal C0-630 | 50g | | M | 192 | 381 | 253 | 382 | 344 | 100/200 |
| **10179** | Igepal C0-880 | 50g | | C | 259 | 461 | 311 | 482 | 426 | 100/200 |
| **10181** | Igepal CO-990 | 50g | | C | 298 | 508 | 345 | 540 | 475 | 100/220 |
| **10183** | B,B,-Iminodipropionitrile | 25g | | M | | | | | | 1100 |
| **10185** | JXR* | — | OV-1 | C | 15 | 53 | 45 | 64 | 41 | 20/300 |
| **10187** | Kel-F Oil No. 3* | — | | A | | | | | | 0/50 |
| **10189** | Kel-F Oil No. 10 | 50g | | A | | | | | | 20/100 |
| **—** | Kel-F Wax (Discontinued)* | — | | A | 55 | 67 | 114 | 143 | 116 | 20/220 |
| **10201** | Lexan (polycarbonate resin) | 25g | | C | | | | | | 220/270 |
| **10203** | Mannitol | 25g | | | | | | | | 170/200 |
| **10205** | Neopentyl Glycol Adipate | 25g | | C | 234 | 425 | 312 | 402 | 438 | 50/225 |
| **10207** | Neopentyl Glycol Sebacate* | — | | C | 172 | 327 | 225 | 344 | 326 | 50/225 |
| **10209** | Neopentyl Glycol Succinate | 10g | | C | 272 | 469 | 366 | 539 | 474 | 50/225 |
| **10211** | Nujol (paraffin oil) | 50g | | T | 9 | 5 | 2 | 6 | 11 | 0/100 |
| **10213** | Oronite Polybutene 32* | — | | C | | | | | | 50/200 |
| **10214** | Oronite Polybutene 128* | — | | C | | | | | | 50/200 |
| **10221** | B,B,-Oxydipropionitrile | 25g | | M | | | | | | 20/100 |
| **10225** | Phenyldiethanolamine | 25g | | A | | | | | | 00/150 |
| **10420** | Poly-A-101A* | — | | C | 115 | 357 | 151 | 262 | 214 | 50/275 |
| **10421** | Poly-A-103 | 10g | | C | 115 | 331 | 149 | 263 | 214 | 70/275 |
| **10423** | Poly-I-110 | 10g | | C | 115 | 194 | 122 | 204 | 202 | 90/275 |
| **10424** | Poly-S-176 | 3g | | C | | | | | | 150/400 |
| **10425** | Poly-S-179 | 3g | | C | | | | | | 200/400 |
| **10233** | Polyphenyl Ether (5 rings) OS-124 | 25g | | C | 176 | 227 | 224 | 306 | 283 | 20/200 |
| **10235** | Polyphenyl Ether (6 rings)* | | | C | 182 | 233 | 228 | 313 | 293 | 0/250 |
| **10237** | Polypropylene Glycol | 50g | | M | 128 | 294 | 173 | 264 | 226 | 0/150 |

| Catalog Number | Description | Unit | Suggested Substitue | Solvent | McReynold's | | | | | °C Min/Max |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | |
| **10241** | Polyvinylpyrrolidinone (PVP) | 50g | | M | | | | | | 20/200 |
| **10243** | Propylene Glycol | 50g | | C | | | | | | 0/50 |
| **10244** | Sebaconitrile | 20g | | C | | | | | | 0/150 |
| **—** | Silicone AN-600* | — | OV-225 | A | | | | | | 20/300 |
| **1011** | Silicone DC-11 | 50g | OV-101 | C | 17 | 86 | 48 | 69 | 56 | 20/300 |
| **1010** | Silicone DC-200, 350cstk | 50g | OV-101 | C | 16 | 57 | 45 | 66 | 43 | 20/200 |
| **1013** | Silicone DC-410 | 50g | | C | 18 | 57 | 47 | 68 | 44 | 20/300 |
| **1014** | Silicone DC-401 | 50g | | | | | | | | |
| **1015** | Silicone DC-550 | 50g | OV-7 | C | 81 | 124 | 124 | 189 | 145 | 20/225 |
| **1017** | Silicone DC-704 | 50g | | A | | | | | | 20/250 |
| **1018** | Silicone DC-710 | 50g | | A | 107 | 149 | 153 | 228 | 90 | 20/225 |
| **1019** | Silicone DC-HiVac Grease | 50g | | | | | | | | |
| **1021** | Silicone DC-QF-1 | 50g | OV-210 | A | 144 | 233 | 355 | 463 | 305 | 20/250 |
| **1022** | Silicone DC-FS-1265 | 50g | OV-210 | A | 144 | 233 | 355 | 463 | 305 | 20/225 |
| **1023** | Silicone GE-SE-30 | 50g | OV-1 | C | 15 | 53 | 44 | 64 | 41 | 50/300 |
| **1024** | Silicone GE-SE-30 GC Grade | 10g | OV-1 | C | 15 | 53 | 44 | 64 | 41 | 50/350 |
| **1025** | Silicone GE-SE-52 | 50g | OV-73 | C | 32 | 72 | 65 | 98 | 67 | 50/300 |
| **1026** | Silicone GE-SE-54 | 50g | OV-73 | C | 33 | 72 | 66 | 99 | 67 | 100/300 |
| **1027** | Silicone GE-SF-96 | 50g | OV-101 | C | 12 | 53 | 42 | 61 | 37 | 20/250 |
| **1029** | Silicone GE-XE-60 | 10g | OV-225 | A | 204 | 381 | 340 | 493 | 367 | 20/250 |
| **1031** | Silicone GE-XF-1150 | 25g | | | | | | | | 20/250 |
| **OV-LIQUID PHASES - MANUFACTURED SPECIFICALLY FOR GC USE** | | | | | | | | | | |
| **1041** | Silicone OV-1 | 10g | | T | 16 | 55 | 44 | 65 | 42 | 100/350 |
| **1042** | Silicone OV-3 | 25g | | A | 44 | 86 | 81 | 124 | 88 | 20/350 |
| **1043** | Silicone OV-7 | 25g | | A | 69 | 113 | 111 | 171 | 128 | 20/350 |
| **1044** | Silicone OV-11 | 25g | | A | 102 | 142 | 145 | 219 | 178 | 0/350 |
| **1045** | Silicone OV-17 | 25g | | A | 119 | 158 | 162 | 243 | 202 | 20/350 |
| **1046** | Silicone OV-22 | 10g | | A | 160 | 188 | 191 | 283 | 253 | 20/350 |
| **1047** | Silicone OV-25 | 10g | | A | 178 | 204 | 208 | 305 | 280 | 20/350 |
| **1048** | Silicone OV-61 | 10g | | A | 101 | 143 | 142 | 213 | 174 | 20/350 |
| **1049** | Silicone OV-73 | 10g | | T | 40 | 86 | 76 | 114 | 85 | 20/350 |
| **1050** | Silicone OV-101 | 20g | | T | 17 | 57 | 45 | 67 | 43 | 20/350 |
| **1051** | Silicone OV-105 | 10g | | A | 36 | 108 | 93 | 139 | 86 | 20/250 |
| **1052** | Silicone OV-202 | 10g | | C | 146 | 238 | 358 | 468 | 310 | 0/275 |
| **1053** | Silicone OV-210 | 25g | | C | 146 | 238 | 358 | 468 | 310 | 20/275 |
| **1057** | Silicone OV-215 | 10g | | E | 149 | 240 | 363 | 478 | 315 | 20/275 |
| **1054** | Silicone OV-225 | 10g | | A | 228 | 369 | 338 | 492 | 386 | 20/250 |
| **1055** | Silicone OV-275 | 5g | | A | 629 | 872 | 763 | 1106 | 849 | 20/275 |
| **1056** | Silicone OV-330 | 5g | | A | 222 | 391 | 273 | 417 | 368 | 30/250 |
| **1058** | OV-351 (Replaces FFAP) | 10g | | C | 335 | 552 | 382 | 583 | 540 | 50/250 |
| **1059** | Silicone OV-1701 | 3g | | A | 67 | 170 | 153 | 228 | 171 | 20/325 |
| **1083** | Silicone Silar 5CP | 5g | | C | 319 | 495 | 446 | 637 | 531 | 50/275 |
| **1084** | Silicone Silar 7CP | 5g | | C | 440 | 638 | 605 | 844 | 673 | 50/275 |
| **1085** | Silicone Silar 9CP | 5g | | C | 489 | 725 | 631 | 910 | 778 | 50/275 |
| **1086** | Silicone Silar 10C | 5g | | C | 523 | 757 | 659 | 942 | 801 | 50/275 |
| **—** | SP-2100* | — | OV-101 | T | 17 | 57 | 45 | 67 | 43 | 20/350 |
| **—** | SP-2250* | — | OV-17 | A | 119 | 158 | 162 | 243 | 202 | 20/350 |
| **—** | SP-2401* | — | OV-202 | C | 146 | 238 | 358 | 468 | 310 | 0/275 |
| **—** | SP-1000* | — | OV-351 | C | 332 | 555 | 393 | 583 | 546 | 50/250 |

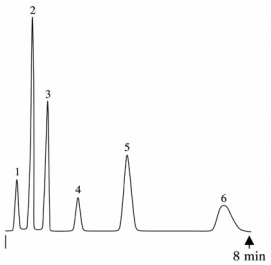
| Catalog Number | Description | Unit | Suggested Substitue | Solvent | McReynold's | | | | | °C Min/Max |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | |
| — | SP-2310* | — | Silar 7CP | A | 440 | 637 | 605 | 840 | 670 | 50/275 |
| — | SP-2330* | — | Silar 9CP | A | 490 | 725 | 630 | 913 | 778 | 50/275 |
| — | SP-2340* | — | Silar 10C | A | 520 | 757 | 659 | 942 | 800 | 50/275 |
| **1032** | Silicone UCC L-45 | 50g | OV-1 | | | | | | | |
| **1033** | Silicone UCC W-98 | 50g | OV-1 | | | | | | | 0/300 |
| **10323** | Span 80 (sorbitan monooleate) | 25g | | T | 97 | 266 | 170 | 216 | 268 | 20/150 |
| **10325** | Squalane | 50g | | T | 0 | 0 | 0 | 0 | 0 | 20/150 |
| **10327** | Squalene | 50g | | T | 152 | 341 | 238 | 329 | 344 | 20/150 |
| **10329** | Sucrose Acetate Isobutyrate (SAIB) | 25g | | C | 172 | 330 | 251 | 378 | 295 | 30/200 |
| **Catalog Number** | **Description** | **Unit** | **Suggested Substitue** | **Solvent** | **McReynold's** | | | | | **°C Min/Max** |
| | | | | | **1** | **2** | **3** | **4** | **5** | |
| **10347** | THEED | 25g | | M | 463 | 942 | 626 | 801 | 893 | 20/125 |
| **10353** | Tricresyl Phosphate | 50g | | M | 176 | 321 | 250 | 374 | 299 | 20/125 |
| **10355** | Triethanolamine | 50g | | M | | | | | | 25/75 |
| **10357** | Trimer Acid* | — | | M | 94 | 271 | 163 | 182 | 378 | 20/200 |
| **10359** | 1,2,3-Tris(2-cyanoethoxy)propane (TCEP) | 50g | | M | 594 | 857 | 759 | 1031 | 917 | 29/150 |
| **10361** | Tris(tetrahydrofurfuryl)Phosphate* | — | | A | | | | | | 20/125 |
| **10363** | Triton X-100 | 50g | | A | 203 | 399 | 268 | 402 | 362 | 20/190 |
| **10365** | Triton X-305 | 50g | | A | 262 | 467 | 314 | 488 | 430 | 20/250 |
| **10367** | Tween 80 | 50g | | M | 227 | 430 | 283 | 438 | 396 | 20/160 |
| **10373** | UCON LB-550-X | 50g | | M | 118 | 271 | 158 | 243 | 206 | 20/200 |
| **10381** | UCON 50-HB-280-X | 50g | | M | 177 | 362 | 227 | 351 | 302 | 20/200 |
| **10383** | UCON 50-HB-2000 | 50g | | A | 202 | 394 | 253 | 392 | 341 | 20/200 |
| **10385** | UCON 50-HB-5100 | 50g | | M | 214 | 418 | 278 | 421 | 375 | 20/200 |
| **10389** | Versamid 900 | 50g | | | | | | | | 190/275 |

# Porous Polymers

| Porapak | Catalog Number | | | Weight |
|---|---|---|---|---|
| | 50/80 | 80/100 | 100/120 | |
| **P** | 8501 | 8611 | 8721 | 20 grams |
| **P-S** | 8502 | 8612 | 8722 | 20 grams |
| **Q** | 8503 | 8613 | 8723 | 26 grams |
| **Q-S** | 8504 | 8614 | 8724 | 26 grams |
| **R** | 8505 | 8615 | 8725 | 24 grams |
| **S** | 8506 | 8616 | 8726 | 26 grams |
| **N** | 8507 | 8617 | 8727 | 29 grams |
| **T** | 8508 | 8618 | 8728 | 31 grams |

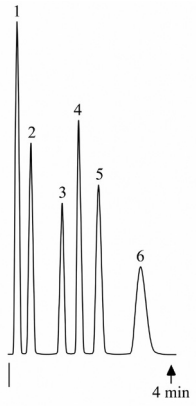

## Freon® Gas

Column: 1.84 m x 2 mm ID, 150°C
Support: PORAPAK® Q 80-100 mesh
Carrier: 25 ml/min Helium
Detector: TC, 350°C
1. Air
2. Water
3. FREON® 12 gas
4. FREON® 114 gas
5. FREON® 11 gas
6. FREON® 113 gas



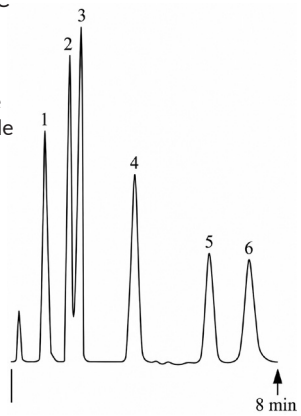

## Gases

Column: 1.0 m x 2.3 mm ID 50°C
Support: PORAPAK® N 80-100 mesh
Carrier: 25 ml/min Helium
Detector: TC, 200°C
1. Air
2. Methane
3. CO2
4. Ethylene
5. Ethane
6. Acetylene



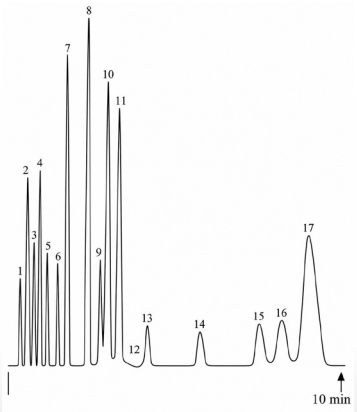

## Aldehydes

Column: 1.84 m x 2.3 mm SS 175°C
Support: PORAPAK® T 80-100 mesh
Carrier: 25 ml/min Helium
Detector: TC, 350°C
1. Formaldehyde
2. Water
3. Acetaldehyde
4. Propionaldehyde
5. iso-Butyraldehyde
6. Butyraldehyde




## C1-C5 Hydrocarbons

Injector: 150°C
Column: 1.5 m x 2.3 mm ID, 25°C
Support: DURAPAK®
n-Octane/PORASIL® C, 80-100 mesh
Carrier: N2 25 ml/min
Detector: FID, 200°C
1. Methane
2. Ethane and Ethylene
3. Acetylene
4. Propane
5. Propylene
6. iso-Butane
7. n-Butane
8. Butene-1
9. iso-Butylene
10. trans-Butene-2
11. cis-Butene-2
12. iso-Pentane
13. n-Pentane
14. Pentene-1
15. trans-Pentene-2
16. cis-Pentene-2
17. 2-Methyl Pentane




## Bonded Porous-Sil™ (75cc) formerly known as Durapak®

| Catalog No. | Description | Mesh Size | MAx Temp |
|---|---|---|---|
| **8550** | Carbowax 400/Porous-Sil C | 80/100 | 200°C |
| **8551** | N-Octane/Porous-Sil C | 80/100 | 175°C |
| **8552** | OPN/Porous-Sil C | 80/100 | 150°C |
| **—** | C-18/Porous-Sil C (Disc.) | 100/150 | 200°C |
| **8554** | Phenylisocyanate/Porous-Sil C | 80/100 | 60°C |

## Porous-Sil™ (20gm) formerly known as Porasil

| Porous-Sil | Catalog Number | |
|---|---|---|
| | 80/100 | 100/150 |
| **B** | 8802 | 8812 |
| **C** | 8803 | 8813 |

## A Note on Porous-Sil™

All Porasil Porous polymer products have been discontinued by The Waters Corporation. Ohio Valley now offers an identical product to the Porasil line.

# Porous Polymers

## Haysep® (75cc)

| Catalog No. | Description | Mesh Size | MAx Temp |
|---|---|---|---|
| **H8501** | P | 60/80 | |
| **H8611** | P | 80/100 | 250˚C |
| **H8721** | P | 100/120 | |
| **H8503** | Q | 60/80 | |
| **H8613** | Q | 80/100 | 275˚C |
| **H8723** | Q | 100/120 | |
| **H8505** | R | 60/80 | |
| **H8615** | R | 80/100 | 250˚C |
| **H8725** | R | 100/120 | |
| **H8506** | S | 60/80 | |
| **H8616** | S | 80/100 | 250˚C |
| **H8726** | S | 100/120 | |
| **H8507** | N | 60/80 | |
| **H8617** | N | 80/100 | 165˚C |
| **H8727** | N | 100/120 | |
| **H8508** | T | 60/80 | |
| **H8618** | T | 80/100 | 165˚C |
| **H8728** | T | 100/120 | |
| **H8001** | A | 60/80 | |
| **H8002** | A | 80/100 | 165˚C |
| **H8003** | A | 100/120 | |
| **H8004** | B | 60/80 | |
| **H8005** | B | 80/100 | 190˚C |
| **H8006** | B | 100/120 | |
| **H8007** | C | 60/80 | |
| **H8008** | C | 80/100 | 250˚C |
| **H8009** | C | 100/120 | |
| **H8010** | D | 60/80 | |
| **H8011** | D | 80/100 | 290˚C |
| **H8012** | D | 100/120 | |
| **H8013** | DB | 60/80 | |
| **H8014** | DB | 80/100 | 300˚C |
| **H8015** | DB | 100/120 | |

## Amines

Column: 5' x 1/8" SS packed with HayeSep® B 80/100 mesh

Column Temp: 140° up to 190°C at 16°C/min

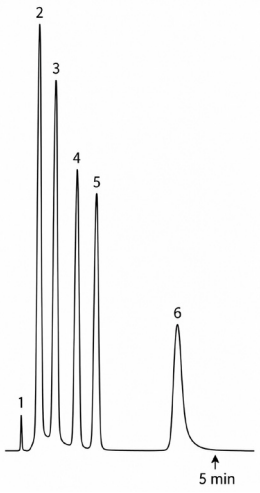
Injector Temp: 150°C

Detector: PE. 90 D.C. 175 ma, Att. x 8 180°C

Flow: He 30 cc/min

Sample 0.2 microliters with on-column injection

1. Air
2. Water
3. Methylamine
4. Dimethylamine
5. Trimethylamine
6. Ethylene diamine




## Solvents

Column: 8' x 1/8" SS packed with HayeSep® P 60/80 mesh

Column Temp: 80° up to 180°C at 16°C/min

Injector Temp: 150°C

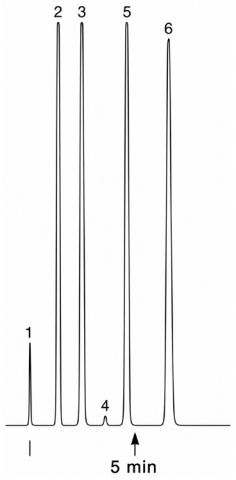
Manifold Temp: 180°C

Detector: 175 ma 200°C

Flow: He 30 cc/min

Sample: 0.2 microliters with on-column injection

1. Air
2. Water
3. Methanol
4. Ethanol
5. Acetone
6. Chloroform




## Tenax® (15 grams)

Based on 2, 6-diphenyl-p-phenylene oxide, Tenax is suitable for the separation of high boiling compounds such as alcohols, diols, polyethylene glycol compounds, phenols, mono and diamines, ethanolamines, amides, aldehydes, and ketones. MaOT: 350°C

| Catalog No. | Description |
|---|---|
| **8650** | Tenax 35/60 |
| **8651** | Tenax 360/80 |
| **8652** | Tenax 80/100 |

| Mesh Size | Catalog No. | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **101** | **102** | **103** | **104** | **105** | **106** | **107** | **108** |
| 60/80 | 17424 | 27403 | 37434 | Discontinued | 57454 | 67457 | 77460 | 87463 |
| 80/100 | 17425 | 27404 | 37435 | Discontinued | 57455 | 67458 | 77461 | 87464 |
| 100/120 | 17426 | 27405 | 37436 | Discontinued | 57456 | 67459 | 77462 | 87465 |

# Solid Supports

## Abbreviations:

**AW** = Acid Washed **HP** = High Performance **DMCS** = Dimethyldichlorosilane **Chromosorb W** (150 grams)

## Chromosorb W (150 grams)

| | Catalog Number | | | |
|---|---|---|---|---|
| Mesh Size | NON-AW | AW | AW-DMCS | HP |
| 60/80 | 7701 | 7723 | 7733 | 7743 |
| 80/100 | 7702 | 7724 | 7734 | 7744 |
| 100/120 | 7703 | 7725 | 7735 | 7745 |

## Chromosorb G (225 grams)

| | Catalog Number | | | |
|---|---|---|---|---|
| Mesh Size | NON-AW | AW | AW-DMCS | HP |
| 60/80 | 7801 | 7823 | 7833 | 7843 |
| 80/100 | 7802 | 7824 | 7834 | 7844 |
| 100/120 | 7803 | 7825 | 7835 | 7845 |

## Chromosorb P (454 grams)

| | Catalog Number | | |
|---|---|---|---|
| Mesh Size | NON-AW | AW | AW-DMCS |
| 60/80 | 7923 | 7933 | 7943 |
| 80/100 | 7924 | 7934 | 7944 |
| 100/120 | 7925 | 7935 | 7945 |

## Chromosorb T (225 grams)

| Mesh Size | Catalog Number |
|---|---|
| 30/60 | 7523 |
| 40/60 | 7524 |

## Chromosorb 750 (100 grams)

| Mesh Size | Catalog Number |
|---|---|
| 60/80 | 7623 |
| 80/100 | 7624 |
| 100/120 | 7625 |

## Molecular Sieves (100 grams)

| Description | Catalog Number |
|---|---|
| **MOLECULAR SIEVE 4A** | |
| 40/60 mesh | 5320 |
| 60/80 mesh | 5323 |
| 80/100 mesh | 5326 |
| 100/120 mesh | 5330 |
| **MOLECULAR SIEVE 5A** | |
| 40/60 mesh | 5333 |
| 60/80 mesh | 5336 |
| 80/100 mesh | 5339 |
| 100/120 mesh | 5442 |
| **MOLECULAR SIEVE13X** | |
| 40/60 mesh | 5445 |
| 60/80 mesh | 5448 |
| 80/100 mesh | 5451 |
| 100/120 mesh | 5454 |
| **ACTIVATED ALUMINA (Alcoa Type F-1)** | |
| 40/60 mesh | 5467 |
| 60/80 mesh | 5460 |
| 80/100 mesh | 5463 |
| 100/120 mesh | 5466 |
| **SILICA GEL (Davison Grade 12)** | |
| 40/60 mesh | 5457 |
| 60/80 mesh | 5472 |
| 80/100 mesh | 5475 |
| 100/120 mesh | 5478 |


**AFP**
2659, boul. du Parc-Technologique
Québec (Québec)
G1P 4S5 Canada

+1-418-266-1247
sales@afplifesciences.com
https://www.afplifesciences.com/



AFP Schivo Group