

GAS CHROMATOGRAPHY CAPILLARY COLUMN

High quality "fused silica GC capillary columns".



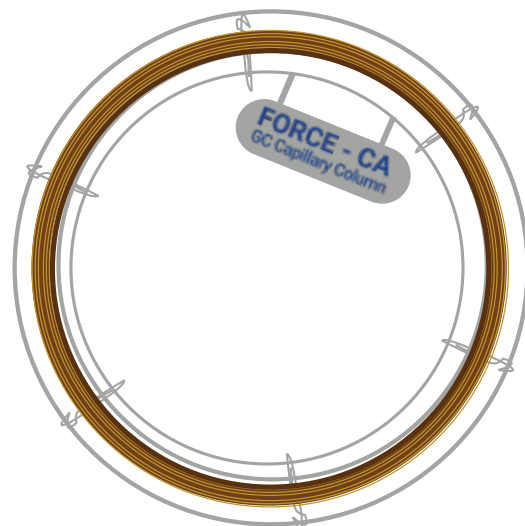
FORCE - CA
GC Capillary Column

United States Pharmacopoeia (USP) GC Phases

USP	Phase Composition	Agilent Phase Recommendation
G1	Dimethylpolysiloxane oil	CA-1+, CA-1+ms
G2	Dimethylpolysiloxane gum	CA-1+, CA-1+ms
G3	50% Phenyl – 50% methylpolysiloxane	CA-17+, CA-50+
G5	3-cyanopropyl polysiloxane	CA-23+
G6	Trifluoropropylmethylpolysilicone	CA-200+, CA-210+
G7	50% 3-cyanopropyl – 50% phenylmethylsilicone	CA-225+, CA-225+ms
G14	Polyethylene glycol (average molecular weight of 950-1,050)	CA-WAX+
G15	Polyethylene glycol (average molecular weight of 3,000-3,700)	CA-WAX+
G16	Polyethylene glycol (average molecular weight of 15,000)	CA-WAX+
G17	75% Phenyl – 25% methylpolysiloxane	CA-17+, CA-50+
G19	25% Phenyl – 25% cyanopropylmethylsilicone	CA-225+, CA-225+ms
G20	Polyethylene glycol (average molecular weight of 380-420)	CA-WAX+
G25	Polyethylene glycol TPA (Carbowax 20M terephthalic acid)	CA-FFAP+
G27	5% Phenyl – 95% methylpolysiloxane	CA-5+, CA-5+ms
G28	25% Phenyl – 75% methylpolysiloxane	CA-35+, CA-35+ms
G32	20% Phenylmethyl – 80% dimethylpolysiloxane	CA-35+, CA-35+ms
G35	Polyethylene glycol & diepoxide esterified with nitroterephthalic acid	CA-FFAP+
G36	1% Vinyl – 5% phenylmethylpolysiloxane	CA-5+, CA-5+ms
G38	Phase G1 plus a tailing inhibitor	CA-1+, CA-1+ms
G39	Polyethylene glycol (average molecular weight of 1,500)	CA-WAX+
G41	Phenylmethyldimethylsilicone (10% phenyl substituted)	CA-5+, CA-5+ms
G42	35% Phenyl – 65% dimethylvinylsiloxane	CA-35+, CA-35+ms
G43	6% Cyanopropylphenyl – 94% dimethylpolysiloxane	CA-624+, CA-1301+
G45	Divinylbenzene-ethylene glycol-dimethacrylate	CA-PLOT U+
G46	14% Cyanopropylphenyl – 86% methylpolysiloxane	CA-1701+

Tech tip**Temperature limits**

Our GC Capillary columns are temperature rated. In some cases, we list two maximum operating temperatures, the lower one is for isothermal condition and the higher one for temperature programmed condition.



CA-1+

- Fully crosslinked and surface bonded
- Individually tested for inertness and efficiency
- Long lifetime and very low bleed at high operating temperatures
- High thermal stability
- Similar to AT-1, DB-1, CP Sil 5CB, HP-1, RTx-1, BP-1, ZB-1, OV-1, SE-30, Ultra-1, SPB-1
- **Polarity:** Non-polar phase
- **Ideal For:** Column for general use
- **USP Code:** This column meets USP G1, G2, G9 and G38 requirements.
- **Phase:** Bonded; poly(dimethyl siloxane); (100% Methyl Polysiloxane)
- **Temp. Limits:** -60 °C to 300 °C (isothermal) or 350 °C (programmed)
- **General Purpose Column for:** Hydro Carbon, Pesticides, Sulfur Compounds, Solvent Impurities, Gasolene Range Organic, Refinery Gases, Essential Oils, Semi-Volatiles

CA-1+HT

- Individually tested for inertness, efficiency and bleed
- Column Design for high-temperature applications such as high molecular weight hydrocarbon
- Produced specially for high-temperature analyses (Max. temp. 400C)
- Similar to AT-1HT, DB-1HT, CP Sil 5CB, HP-101, HP-1HT, OV-1HT, RTx-1HT, SPB-1HT, BP-1HT, PE-1HT, ZB-1HT
- **Polarity:** Non-polar phase
- **Ideal For:** Column for general use
- **USP Code:** This column meets USP G1, G2, G9 and G38 requirements.
- **Phase:** Bonded; poly(dimethyl siloxane); (100% Methyl Polysiloxane)
- **Temp. Limits:** -60 °C to 430 °C (isothermal)
- **General Purpose Column for:** Hydro Carbon, Pesticides, Sulfur Compounds, Solvent Impurities, Gasolene Range Organic, Refinery Gases, Essential Oils, Semi-Volatiles

CA-1+MS

- Solvent rinseable
- Individually tested for inertness, efficiency and bleed
- Guaranteed for ultra low bleed; Improve the signal - to - noise ratio for better sensitivity and mass spectral integrity
- These columns provide the same selectivity as the CA-1+ and meet the requirements for column bleed, making them suitable for GC/MS analysis of trace components.
- less column bleed means less detectors contamination and faster column conditioning
- Similar to AT-1ms, DB-1ms, CP Sil 5CBms, HP-1ms, RTx-1ms, BP-1ms, ZB-1ms, OV-1ms, SE-30ms, Ultra-1ms
- **Polarity:** Non-polar phase
- **Ideal For:** Column for general use
- **USP Code:** This column meets USP G1, G2, G9 and G38 requirements.
- **Phase:** Bonded; poly(dimethyl siloxane); (100% Methyl Polysiloxane)

- **Temp. Limits:** -60 °C to 340 °C (isothermal) or 350 °C (programmed)
- **General Purpose Column for:** Hydro Carbon, Pesticides, Sulfur Compounds, Solvent Impurities, Gasolene Range Organic, Refinery Gases, Essential Oils, Semi-Volatiles

CA-Petro+

- Column for analyzing complicated hydrocarbon mixtures in accordance with ASTM Standard guidelines.
- A detailed analysis of gasoline involves the identification of over 350 compounds. The high resolving power of the 100-meter AT™-Petro capillary column allows for the detailed separation of most of the compounds present in gasoline.
- These highly reproducible columns, which have large theoretical plate numbers, are made for in-depth analyses of petroleum products for PIANO, PONA, and PNA-type analytes.
- Similar to AT-Petro, DB-Petro, Rtx-DHA, Petrocol DH,ZB-DHA-PONA, BP1 PONA; CP-Sil PONA CB
- **Polarity:** Non-polar phase
- **Ideal For:** Column for general use
- **USP Code:** This column meets USP G1, G2, G9 and G38 requirements.
- **Phase:** Bonded; poly(dimethyl siloxane); (100% Methyl Polysiloxane)
- **Temp. Limits:** -60 °C to 320 °C (isothermal or programmed)
- **Special Column for:**
 - ASTM-D67301
 - Petroleum distillate ranging from C5-C10 compounds and with a boiling range of 20-200°C.

CA-2887+

- Individually tested for inertness and efficiency
- Low column bleed and excellent column-to-column retention time reproducibility.
- These columns are designed for ASTM Method.
- Choose CA-2887+ for samples having boiling points up to 1,000 °F
- Similar to AT-2887, DB-2887, RTx-2887, Petrocol Ex2887
- **Polarity:** Non-polar phase
- **Ideal For:** Column for general use
- **USP Code:** This column meets USP G1, G2, G9 and G38 requirements.
- **Phase:** Bonded; poly(dimethyl siloxane); (100% Methyl Polysiloxane)
- **Temp. Limits:** Subambient to 350 °C (isothermal or programmed)
- **Special Column for:**
 - AASTM Method D2887
 - Special column for simulated distillation.

CA-5+

- Fully crosslinked and surface bonded
- Individually tested for inertness and efficiency
- Specifically for aromatic chemicals, this non-polar general-purpose column offers a boiling point elution order with a

minor increase in selectivity.

- Similar to AT-5, BP-5, CP Sil8CB, DB-5, Equity-5, HP-5, MDN-5, RTx-5, SE-54, SPB-5, Ultra-2, VB-5, VF-5, XTI-5, ZB-5, 007-5
- **Polarity:** Non-polar phase
- **Ideal For:** Column for general use
- **USP Code:** This column meets USP G27 and G36 requirements.
- **Phase:** Bonded; poly(5% diphenyl/95% dimethyl siloxane)
- **Temp. Limits:** -60 °C to 325 °C (isothermal) or 350 °C (programmed)
- **Application:** Herbicides, pesticides, polyaromatic hydrocarbons, drugs

CA-5+HT

- Produced specially for analysis at high temperatures up to 400. C
- Available in fused silica.
- Excellent symmetry for compounds with high boiling points
- Similar to AT-5, BP-5, CP Sil8CB, DB-5, Equity-5, HP-5, MDN-5, RTx-5, SE-54, SPB-5, Ultra-2, VB-5, VF-5, XTI-5, ZB-5, 007-5
- **Polarity:** Non-polar phase
- **Ideal For:** Column for general use
- **USP Code:** None
- **Phase:** Bonded; poly(5% diphenyl/95% dimethyl siloxane)
- **Temp. Limits:** -60 °C to 400 °C (isothermal)
- **Application:** Analysis of waxes, triglycerides, sterol esters, polyoxyethylenated alcohols, etc.

CA-5+MS

- Similar in polarity as CA-5+, but with optimised polymer synthesis, deactivation, bonding, and crosslinking techniques that result in exceptionally low bleeding and chemical inertness.
- Individually tested for inertness and efficiency
- Similar to AT-5ms, BP-5, CP Sil 8CB, DB-5ms, Equity-5, HP-5, MDN-5, RTx-5ms, SE-54, SE-54, SPB-5, Ultra-2, USP G27, USP G36, VB-5, VF-5, XTI-5, ZB-5, 007-5
- **Polarity:** Non-polar phase
- **Ideal For:** MS detectors
- **USP Code:** None
- **Phase:** Bonded; poly(5% diphenyl/95% dimethyl siloxane)
- **Temp. Limits:** -60 °C to 325 °C (isothermal) or 350 °C (programmed)
- **Application:** Herbicides, pesticides, polyaromatic hydrocarbons, Drugs, etc.

CA-5+Amine

- Specifically created a column for amine analysis.
- Alkylamines, alcohol amines, basic medicines, aromatic amines, and other basic chemicals are deactivated using a proprietary process that reduces absorption and tailing.
- Thermal stability and selectivity comparable to CA-5+ columns.
- Similar to Agilent: CP-Sil 8 CB for Amines Restek: Rtx-

5Amine Supelco: PTA-5 Macherey-Nagel: OPTIMA-5A

- **Polarity:** Non-polar phase
- **Ideal For:** Amines
- **USP Code:** None
- **Phase:** Bonded; base-modified poly(5% diphenyl/95% dimethyl siloxane)
- **Temp. Limits:** -60 °C to 300 °C (isothermal) or 315 °C (programmed)
- **Application:** Amines and other fundamental analytes can be analysed using this column.

CA-1301+

- The best column for analysing mixtures of acids and bases with a variety of polarities
- For analysing pesticides and herbicides, an intermediate polarity column is helpful.
- Similar to HP-1301, DB-1301, CP-1301, SPB-1301, Rtx-1301, Rtx-624, BP624
- **Polarity:** Non-polar phase
- **Ideal For:** Residual solvents in pharmaceutical preparations.
- **USP Code:** This column meets USP G43 requirements.
- **Phase:** Bonded; poly (6% cyanopropylphenyl / 94% dimethyl siloxane)
- **Temp. Limits:** -20 °C to 260 °C (isothermal or programmed)
- **Application:** This column has been particularly designed and tested to fulfil the standards of the USP and EP procedures for evaluating residual solvents in pharmaceutical formulations.

CA-624+

- Cyanopropylsilicone
- Fully crosslinked and surface bonded
- Solvent rinseable
- Individually tested for inertness and efficiency
- Specially designed column for volatile priority pollutants environmental analysis
- Similar to AT-624, DB-624, RTx-624, USP G43, ZB- 624, SPB-624, Rtx-1301, HP-624, CP-Select 624 CB, BP624
- **Polarity:** Non-polar phase
- **Ideal For:** Volatile Compounds, EPA methods
- **USP Code:** This column meets USP G43 requirements.
- **Phase:** Bonded; poly (6% cyanopropylphenyl / 94% dimethyl siloxane)
- **Temp. Limits:** -60 °C to 240 °C (isothermal) or 260 °C (programmed)
- **Application:** This column has been rigorously tested for separation, efficiency, and bleeding. Its purpose is to purge and capture volatile halogenated, non-halogenated, and aromatic pollutants from environmental samples.

CA-20+

- Column of intermediate polarity with phenyl groups in its structure
- 20% Phenyl methyl Silicone
- Fully crosslinked and surface bonded

- Individually tested for inertness & efficiency
- Similar to AT-20, RTx-20, SPB-20, 007-7, PE-7,
- **Polarity:** Intermediate Polarity
- **Ideal For:** Volatile Compounds
- **USP Code:** This column meets USP G28 & USP G32 requirements.
- **Phase:** Bonded; poly(20% diphenyl/80% dimethyl siloxane)
- **Temp. Limits:** -25 °C to 300 °C (isothermal or programmed)
- **Application:** Because of the increased (20%) phenyl concentration, this column has intermediate polarity, resulting in an altered elution sequence of polar chemicals providing confirmational information. It is frequently employed in the analysis of aromatic analytes.

CA-35+

- Intermediate polarity column with phenyl groups in its structure
- Fully crosslinked and surface bonded
- Individually tested for inertness and efficiency
- Similar to AT-35, BPX - 35, DB - 35, HP - 35, Rtx - 35, SPB-35, ZB - 35, 007-11
- **Polarity:** Intermediate Polarity
- **Ideal For:** Pesticides, Herbicides, Drugs, Aromatics
- **USP Code:** : G42
- **Phase:** Bonded; poly(35% diphenyl/65% dimethyl siloxane)
- **Temp. Limits:** 0 °C to 300 °C (isothermal or programmed)
- **Application:** with a phenyl concentration of 35%, provides a greater polarity option than columns with a lower phenyl content. This column is beneficial for polar chemical analysis since they are held longer than non-polar compounds.

CA-1701+

- 14% Cyanopropyl silicone
- Fully crosslinked and surface bonded
- Individually tested for inertness and efficiency
- Intermediate polarity column of wide use
- Historically used in the analysis of pesticides.
- Similar to AT-1701, Bp-10, CP Sil 19CB, DB-1701, OV-1701, Rtx1701, SPB-1701, USP G46, VB-1701, ZB-1701, 007-1701,
- **Polarity:** Intermediate Polarity
- **Ideal For:** Pesticides PCB, Herbicides, Drugs
- **USP Code:** : G46
- **Phase:** Bonded; poly(14% cyanopropylphenyl / 86% dimethyl siloxane)
- **Temp. Limits:** Subambient to 280 °C (isothermal or programmed)
- **Application:** Increased phase polarity caused by cyanopropyl phenyl functional group substitution provides distinct selectivity over other phases.

CA-225+

- Fully crosslinked and surface bonded

- Solvent rinseable
- Individually tested for inertness and efficiency
- The cyanopropyl-containing CA - 225 phase is slightly less polar than bonded polyethylene glycol (PEG) phases.
- Similar to AT-225, DB-225, HP-225, 007-225, CP-Sil 43CB, BP-225, PE-225
- **Polarity:** Medium/high polarity
- **USP Code:** USP G7 and G19
- **Phase:** Bonded; poly (50% cyanopropylphenyl / 50% dimethyl siloxane)
- **Temp. Limits:** 45 °C to 220 °C (isothermal) or 240 °C (programmed)
- **Application:** : FAMES, carbohydrates, sterols, flavor compounds.

CA-50+

- Fully crosslinked and surface bonded
- The column offers helpful confirmational information and is suitable for polar analyte tests. In comparison to columns with a reduced phenyl concentration, it also gives more selectivity for polynuclear aromatic hydrocarbon isomers.
- Excellent confirmation column for CA-5+ analyses
- Similar to HP-50+, DB-17, CP-SIL 24 CB, DB-EuPh, SPB-50, SPB-2250, Rtx-50, Rxi-17, 007-17, ZB-50
- **Polarity:** Intermediate Polarity
- **USP Code:** USP G3
- **Phase:** Bonded; poly (50% diphenyl / 50% dimethyl siloxane)
- **Temp. Limits:** 30 °C to 310 °C (isothermal or programmed)
- **Application:** : Pesticides, Herbicides, Drugs etc.

CA-50+HT

- Fully crosslinked and surface bonded
- The column offers helpful confirmational information and is suitable for polar analyte tests. In comparison to columns with a reduced phenyl concentration, it also gives more selectivity for polynuclear aromatic hydrocarbon isomers.
- Excellent confirmation column for CA-5+ analyses
- Similar to HP-50+, DB-17, CP-SIL 24 CB, DB-EuPh, SPB-50, SPB-2250, Rtx-50, Rxi-17, 007-17, ZB-50
- **Polarity:** Intermediate Polarity
- **USP Code:** G3
- **Phase:** Bonded; poly (50% diphenyl / 50% dimethyl siloxane)
- **Temp. Limits:** 30 °C to 310 °C (isothermal or programmed)
- **Application:** : Pesticides, Herbicides, Drugs etc.

CA-WAX+

- 100% Polyethylene Glycol
- Individually tested for inertness and efficiency
- Most Inert & Efficient PEG Columns Currently Available
- Useful For Compound Having Wide Volatility Range Due To EOT Range Low Bleed At High Temperature (280 C)
- Excellent confirmation column for CA-5+ analyses
- High polarity column
- Similar to AT-Wax, BP-Wax, CP Wax 52CB, DB-Wax, DB-WAXetr, HP-INNOWax, HP-Wax, Stabilwax, RTX-Wax,

Supelcowax-10, ZB- Wax

- **Polarity:** Polar
- **USP Code:** G14, G15, G16 & G39
- **Phase:** Bonded; poly(ethylene glycol)
- **Temp. Limits:** 40 °C to 260°C (isothermal) or 270 °C (programmed)
- **Ideal For:** : A polar column is suitable for analyses of solvents, fatty acid methyl esters (FAMES), food, flavor, fragrance compounds, alcohols, and aromatics. A great choice when a polar general-purpose column is required.

CA-WAX+MS

- 100% Polyethylene Glycol
- Fully crosslinked and surface bonded
- Designed to provide low MS bleed
- Individually tested for inertness and efficiency
- Similar to At-WaxMs, DB-Wax, RTx-Wax, Supelcowax-10,
- **Polarity:** Polar
- **USP Code:** G14, G15, G16 & G39
- **Phase:** Bonded; poly(ethylene glycol)
- **Temp. Limits:** 40 °C to 260°C (isothermal) or 280 °C (programmed)
- **Ideal For:** : Mass Spec Analysis

CA-1000+

- Polyethylene glycol nitro terephthalic acid
- Fully crosslinked and surface bonded acid deactivated carbo wax PEG
- Resistant Oxidative Damage
- Individually tested for inertness and efficiency
- Similar to AT-1000, BP-21, CP Wax 58 CB, DB-FF AP, HP-FFAP, Stabilwax-DA, VB-FFAP, ZB-FFAP
- **Polarity:** High Polarity
- **USP Code:** G25, G35
- **Phase:** Bonded; acid-modified poly (ethylene glycol)
- **Temp. Limits:** 60 °C to 200 °C (isothermal) or 220 °C (programmed)
- **Ideal For:** : Free Fatty Acids, ethylene glycol analysis

CA-2560+

- 100% Biscyanopropyl Polysiloxane
- Individually tested for inertness and efficiency
- For the precise separation of geometric positional (cis/trans) isomers of fatty acid methyl esters (FAMES), a highly polar biscyanopropyl column was created. For applications using the FAME isomer, it is quite efficient.
- Similar to CP Sil 88, HP - 88, RT -2560, SP -2560
- **Polarity:** High Polarity
- **USP Code:** G8
- **Phase:** Non-bonded; poly(biscyanopropyl siloxane)
- **Temp. Limits:** 60 °C to 200 °C (isothermal) or 220 °C (programmed)
- **Ideal For:** cis / trans isomers of FAMES, Dioxins & Furan

CA - 3710+

- 100% Methyl Polysiloxane
- Solvent rinseable

- For high resolution of complex hydrocarbon mixtures
- Similar to AT-2887, DB-2887, RTx-2887, etrocol Ex2887

- **Polarity:** Non Polar
- **USP Code:** N/A
- **Phase:** Bonded; poly(dimethyl siloxane)
- **Temp. Limits:** Subambient to 350 °C (isothermal or programmed)
- **Ideal For:** Hydrocarbon Mixtures

CA-2330+

- 90%Biscyanopropyl 10% CyanopropylphenylSilicone
- Nobonded
- Individually tested for inertness and efficiency
- Similar to Rt-2330, SP-2330
- **Polarity:** High Polar
- **USP Code:** G8, G48
- **Phase:** Non-bonded; poly(80% biscyanopropyl/20% cyanopropylphenyl siloxane)
- **Temp. Limits:** Subambient to 250 °C (isothermal or programmed)
- **Ideal For:** Analysis of FAMES

CA-2340+

- It is particularly successful for both high and low temperature separations of geometric isomers of fatty acid methyl esters (FAMES), dioxins, polysaccharides, and aromatic chemicals, as do all general purpose biscyanopropyl columns.
- Similar to Rt-2330, SP-2330
- **Polarity:** High Polar
- **USP Code:** G5
- **Phase:** Non-bonded; poly(biscyanopropyl siloxane)
- **Temp. Limits:** Subambient to 250 °C (isothermal or programmed)
- **Ideal For:** Cis / Trans Isomers of FAMES, Dioxins etc.

CA-WAX+HT

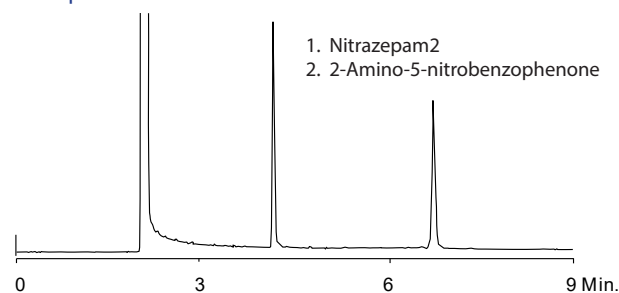
- Highest temperature polyethylene glycol column
- Wide range of operating temperatures and high thermal stability (35 °C - 280 °C)
- Compatible with water and methanol injections, providing that these solvents must be completely vaporized when they enter into the column.
- Reproducibility among columns guaranteed
- Similar to DB-WAX etr, Supelcowax-10,
- **Polarity:** Polar
- **USP Code:** G16
- **Phase:** Bonded; poly(ethylene glycol)
- **Temp. Limits:** 35 °C to 280 °C (isothermal or programmed)
- **Ideal For:** the analysis of methyl esters of fatty acids (FAMES) solvents, fragrances, alcohols and aromatic compounds in the alimentary and flavor and fragrance industry.

Note

Temperature Limits

Our GC Capillary columns are temperature rated. In some cases, we list two maximum operating temperatures, the lower one is for isothermal condition and the higher one for temperature programmed condition.

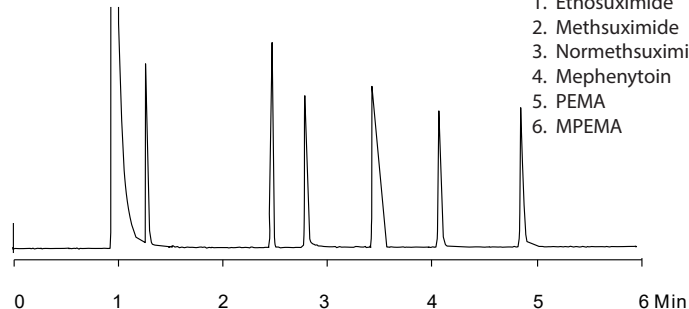
Nitrazepam & ANB Metabolite



1. Nitrazepam2
2. 2-Amino-5-nitrobenzophenone

Column: CA -1+ms, 30m x 0.25mm x 0.25µm
 Temp: 280°C
 Carrier Gas: Helium at 0.7mL/min (25cm/sec)
 Detector: FID at 300°C

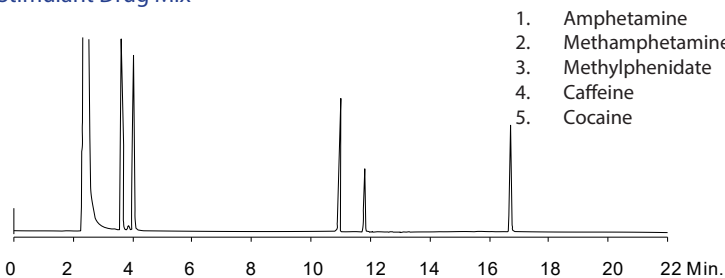
Anticonvulsants



1. Ethosuximide
2. Methsuximide
3. Normethsuximide
4. Mephenytoin
5. PEMA
6. MPEMA

Column: CA-5+ms, 15m x 0.25mm x 0.25µm
 Temp: 90°C (1min hold) to 235°C (0min hold) at 10°C/min
 Carrier Gas: Helium at 0.7mL/min (26cm/sec)
 Detector: FID at 300°C

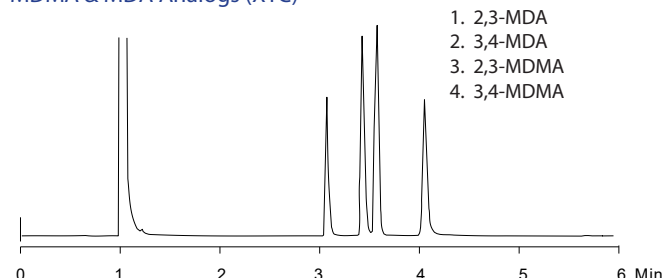
Stimulant Drug Mix



1. Amphetamine
2. Methamphetamine
3. Methylphenidate
4. Caffeine
5. Cocaine

Column: CA-1+ms, 30m x 0.25mm x 0.25µm
 Temp: 150°C (4m in hold) to 250°C (5min hold) at 10°C/min
 Carrier Gas: Helium at 0.68mL/min (23cm/sec)
 Detector: FID at 300°C

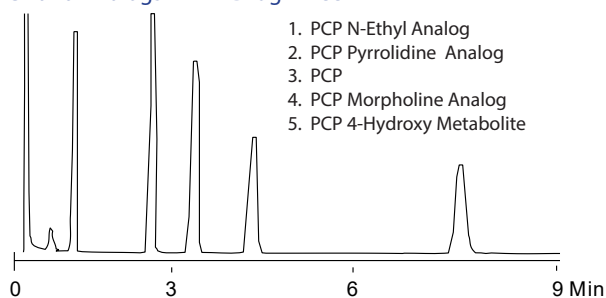
MDMA & MDA Analogs (XTC)



1. 2,3-MDA
2. 3,4-MDA
3. 2,3-MDMA
4. 3,4-MDMA

Column: CA-5+ms, 15m x 0.25mm x 0.25mm
 Temp: 160°C
 Carrier Gas: Helium at 0.7mL/min (25cm/sec)
 Detector: FID at 300°C

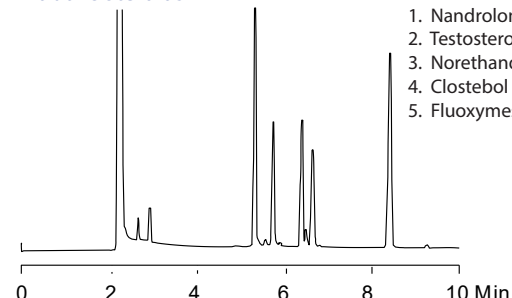
PCP and Analogs – AT™-Drug Three



1. PCP N-Ethyl Analog
2. PCP Pyrrolidine Analog
3. PCP
4. PCP Morpholine Analog
5. PCP 4-Hydroxy Metabolite

Column: CA-1+, 10m x 0.53mm x 1.20mm
 Temp: 210°C
 Carrier Gas: Helium at 5mL/min (38cm/sec)w
 Detector: FID at 300°C

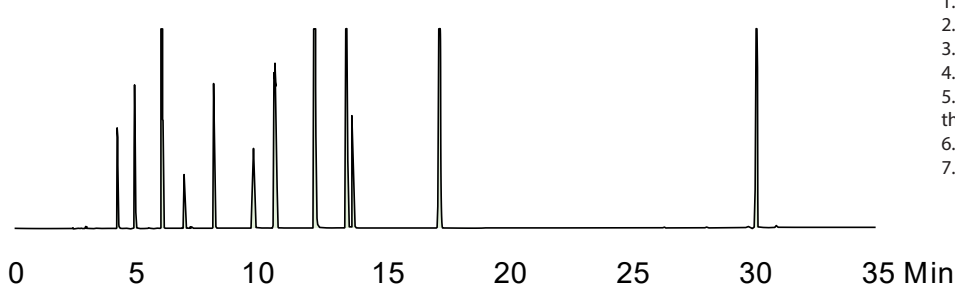
Anabolic Steroids



1. Nandrolone
2. Testosterone
3. Norethandrolone
4. Clostebol
5. Fluoxymesterone

Column: CA-5+, 30m x 0.25mm x 0.25µm
 Temp: 300°C
 Carrier Gas: Helium at 0.65mL/min (22cm/sec)
 Detector: FID at 340°C

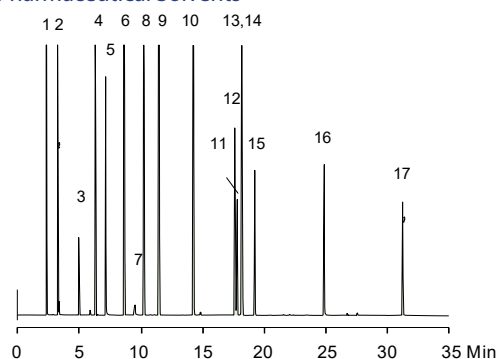
Pharmaceutical Solvents



1. Dichloromethane
2. Nitromethane
3. Hexane
4. Chloroform
5. 1,2-Dimethoxyethane
6. Ethylene Glycol
7. 1,4-Dioxane
8. 2-Ethoxyethanol
9. Pyridine
10. Toluene
11. N,N-Dimethylformamide
12. Chlorobenzene
13. Tetralin

Column: CA-5+ms, 30m x 0.25mm x 1.00µm
 Temp: 40°C (5 min hold) to 200°C at 5°C/min
 Carrier Gas: Helium at 1.05mL/min (27cm/sec)
 Detector: FID at 265°C

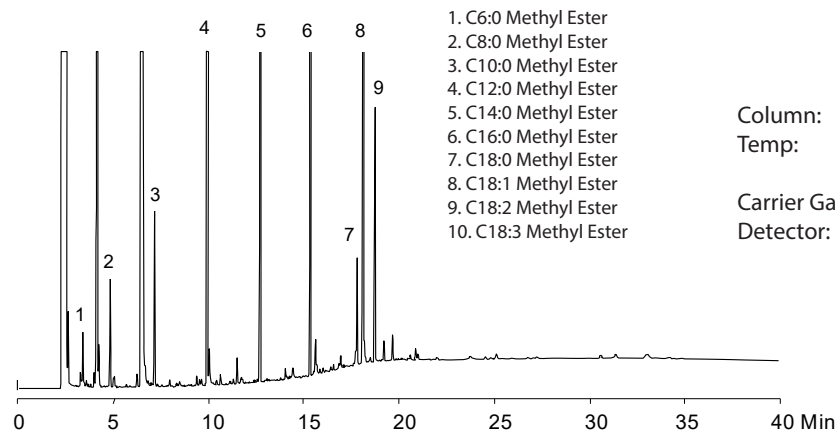
Pharmaceutical Solvents



- | | |
|-----------------------------|---------------------------|
| 1. Methanol | 10. Methylcyclohexane |
| 2. Acetonitrile | 11. N,N-Dimethylacetamide |
| 3. trans-1,2-Dichloroethene | 12. Ethylbenzene |
| 4. cis-1,2-Dichloroethene | 13. m-Xylene |
| 5. 2-Methoxyethanol | 14. p-Xylene |
| 6. Cyclohexane | 15. o-Xylene |
| 7. Formamide | 16. N-Methylpyrrolidone |
| 8. 1,1,2-Trichloroethene | 17. Sulfolane |
| 9. Methylcyclohexane | |

Column: CA-5+ms, 30m x 0.25mm x 1.00µm
 Temp: 40°C (5 min hold) to 200°C at 5°C/min
 Carrier Gas: Helium at 1.05mL/min (27cm/sec)
 Detector: FID at 265°C

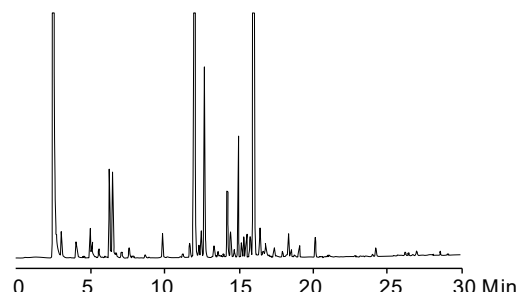
Pharmaceutical Solvents



1. C6:0 Methyl Ester
2. C8:0 Methyl Ester
3. C10:0 Methyl Ester
4. C12:0 Methyl Ester
5. C14:0 Methyl Ester
6. C16:0 Methyl Ester
7. C18:0 Methyl Ester
8. C18:1 Methyl Ester
9. C18:2 Methyl Ester
10. C18:3 Methyl Ester

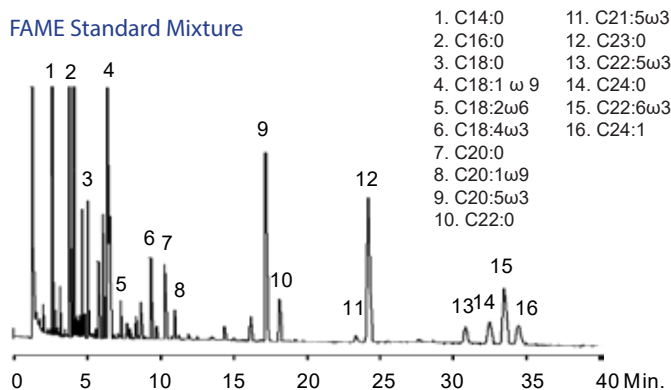
Column: CA-2560+, 30m x 0.25mm x 0.25µm
 Temp: 110°C (1 min hold) to 240°C (25 min hold) at 8°C/min
 Carrier Gas: Helium at 0.9mL/min (25cm/sec)
 Detector: FID at 260°C

Peppermint Oil



Column: CA-Wax+, 30m x 0.25mm x 0.25µm
 Temp: 75°C to 260°C at 5°C/min
 Carrier Gas: Helium, 22cm/sec
 Detector: FID

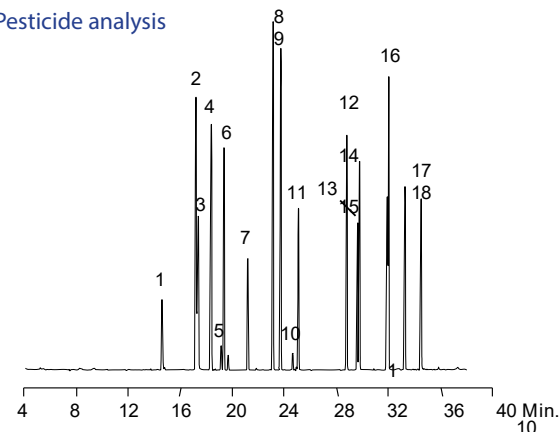
FAME Standard Mixture



- | | |
|--------------|-------------|
| 1. C14:0 | 11. C21:5ω3 |
| 2. C16:0 | 12. C23:0 |
| 3. C18:0 | 13. C22:5ω3 |
| 4. C18:1 ω 9 | 14. C24:0 |
| 5. C18:2ω6 | 15. C22:6ω3 |
| 6. C18:4ω3 | 16. C24:1 |
| 7. C20:0 | |
| 8. C20:1ω9 | |
| 9. C20:5ω3 | |
| 10. C22:0 | |

Column: CA-2560+, 30m x 0.25mm x 0.25µm
 Temp: 205°C
 Carrier Gas: Helium, 30cm/sec
 Detector: FID

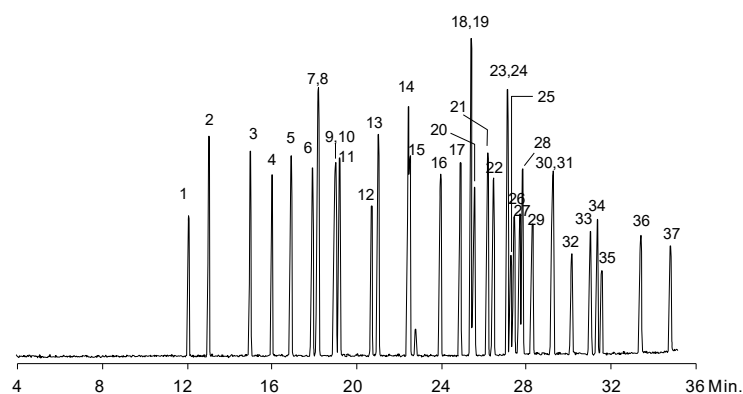
Pesticide analysis



- | | |
|---------------------------|---------------------|
| 1. TEPP | 12. Ethion |
| 2. Sulfotepp | 13. Famphur |
| 3. Monocrotophos | 14. Carbophenothion |
| 4. Dimethoate | 15. Phosmet |
| 5. Dioxathion | 16. EPN |
| 6. Terbufos | 17. Leptophos |
| 7. Phosphamidon | 18. Azinphos-ethyl |
| 8. Malathion | |
| 9. Parathion | |
| 10. cis-Chlorfenvinphos | |
| 11. trans-Chlorfenvinphos | |

Column: CA-5+ms, 30m x 0.25mm x 0.25µm (Part No.
 Temp: 120°C (3min hold) to 285°C (4min hold) at 5°C/min
 Carrier Gas: Helium, 26 cm/sec
 Detector: MSD

Chlorinated Pesticides



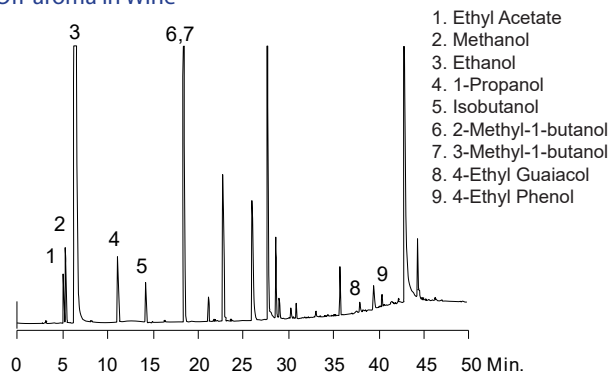
- | | | |
|----------------------------|-------------------------|--------------------|
| 1. Etridiazole | 18. α -Chlordane | 35. Kelthane |
| 2. Chloroneb | 19. Endosulfan I | 36. Mirex |
| 3. Propachlor | 20. trans-Nonachlor | 37. cis-Permethrin |
| 4. Trifluralin | 21. p,p'-DDE | |
| 5. α -BHC | 22. Dieldrin | |
| 6. β -BHC | 23. Perthane | |
| 7. Pentachloronitrobenzene | 24. Nitrofen | |
| 8. γ -BHC | 25. Endrin | |
| 9. Diclon | 26. Chloropropylate | |
| 10. Chlorothalonil | 27. Endosulfan II | |
| 11. δ -BHC | 28. p,p'-DDD | |
| 12. Alachlor | 29. Endrin Aldehyde | |
| 13. Heptachlor | 30. p,p'-DDT | |
| 14. Aldrin | 31. Endosulfan Sulfate | |
| 15. Dacthal (DCPA) | 32. Captafol | |
| 16. Heptachlor Epoxide | 33. Endrin Ketone | |
| 17. γ -Chlordane | 34. Methoxychlor | |

Column: CA-5+ms, 30m x 0.25mm x 0.25 μ m
 Temp: 80°C (1min hold) to 100°C at 15°C/min, to 160°C at 10°C/min, to 285°C (2min hold) at 5°C/min

Carrier Gas: Helium, 26cm/sec

Detector: MSD

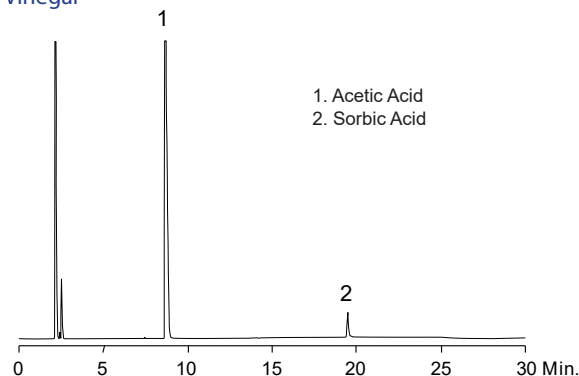
Off-aroma in Wine



1. Ethyl Acetate
2. Methanol
3. Ethanol
4. 1-Propanol
5. Isobutanol
6. 2-Methyl-1-butanol
7. 3-Methyl-1-butanol
8. 4-Ethyl Guaiacol
9. 4-Ethyl Phenol

Column: CA-Wax+, 60m x 0.25mm x 0.25 μ m
 Temp: 35°C (10 min. hold) to 220°C at 6°C/min
 Carrier Gas: Helium, 25cm/sec
 Detector: FID

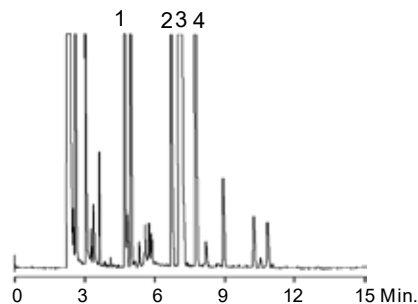
Vinegar



1. Acetic Acid
2. Sorbic Acid

Column: CA-Wax+, 30m x 0.25mm x 0.25 μ m
 Temp: 100°C to 220°C at 10°C/min
 Carrier Gas: Helium, 22cm/sec
 Detector: FID

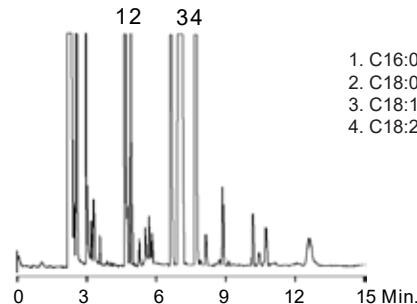
Extra Virgin Olive Oil



1. C16:0 Methyl Ester
2. C18:0 Methyl Ester
3. C18:1 Methyl Ester
4. C18:2 Methyl Ester

Column: CA-2560+, 30m x 0.25mm x 0.25 μ m
 Temp: 220°C
 Carrier Gas: Helium, 23cm/sec
 Detector: FID

Olive Oil

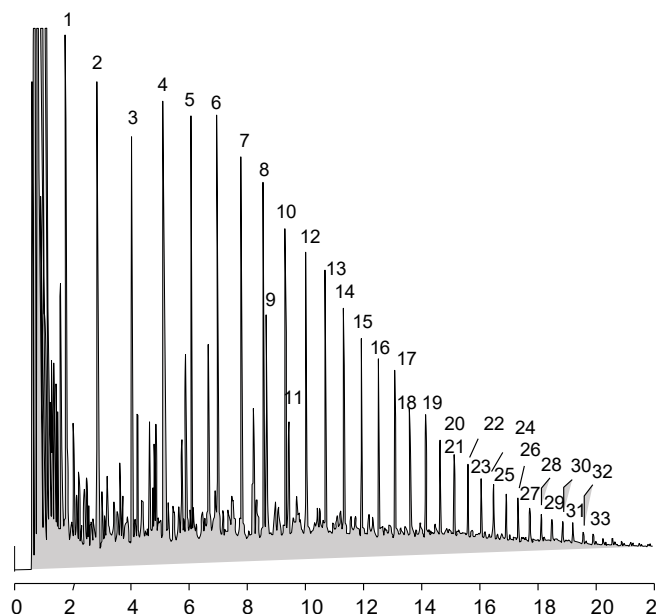


1. C16:0 Methyl Ester
2. C18:0 Methyl Ester
3. C18:1 Methyl Ester
4. C18:2 Methyl Ester

Column: CA-2560, 30m x 0.25mm x 0.25 μ m
 Temp: 220°C
 Carrier Gas: Helium, 23cm/sec
 Detector: FID

GC Applications

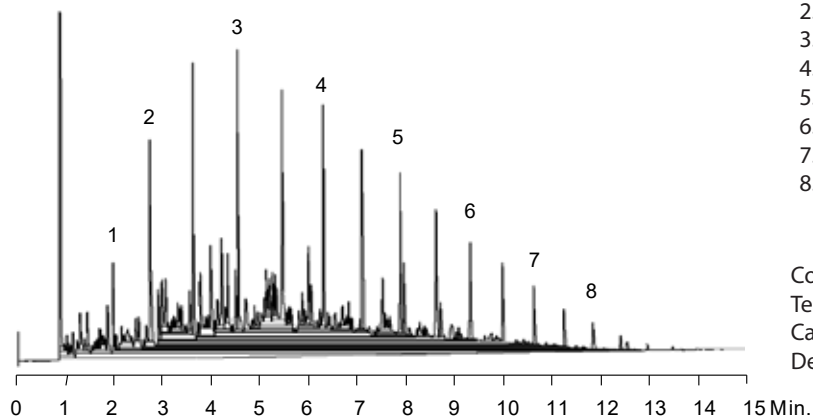
Texas Crude Oil



- | | | |
|-------------------|-------------------------|-----------------------|
| 1. n-Decane | 16. n-Tricosane | Heptatriacontane |
| 2. n-Undecane | 17. n-Tetracosane | 31. n-Octatriacontane |
| 3. n-Dodecane | 18. n-Pentacosane | 32. n-Nonatriacontane |
| 4. n-Tridecane | 19. n-Hexacosane | 33. n-Tetracontane |
| 5. n-Tetradecane | 20. n-Heptacosane | |
| 6. n-Pentadecane | 21. n-Octacosane | |
| 7. n-Hexadecane | 22. n-Nonacosane | |
| 8. n-Heptadecane | 23. n-Triacontane | |
| 9. Pristane | 24. n-Hentriacontane | |
| 10. n-Octadecane | 25. n-Dotriacontane | |
| 11. Phytane | 26. n-Tritriacontane | |
| 12. n-Nonadecane | 27. n-Tetraatriacontane | |
| 13. n-Eicosane | 28. n-Pentatriacontane | |
| 14. n-Heneicosane | 29. n-Hexatriacontane | |
| 15. n-Docosane | 30. wn- | |

Column: CA-1+ht, 15m x 0.25mm ID x 0.10µm
 Temp: 70°C (2 min hold) to 380°C (8min hold) at 15°C/min
 Carrier Gas: Helium at 1.6mL/min (45cm/sec)
 Detector: FID at 390°C

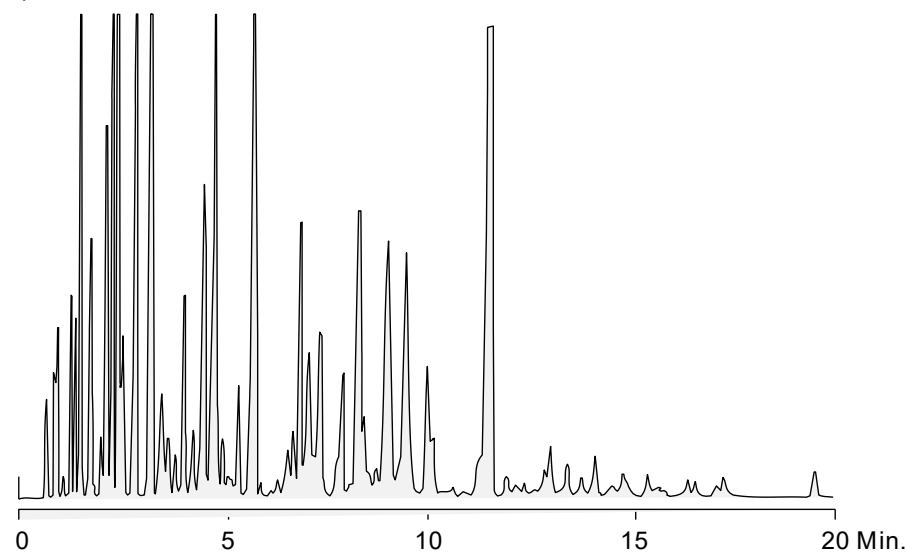
Diesel Fuel



1. n-Decane
2. n-Dodecane
3. n-Tetradecane
4. n-Hexadecane
5. n-Octadecane
6. n-Eicosane
7. n-Docosane
8. n-Tetracosane

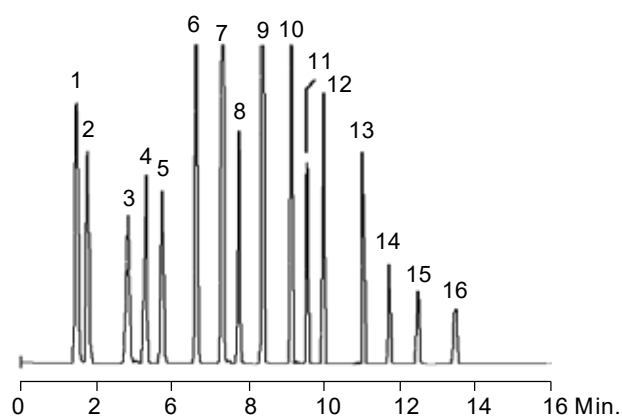
Column: CA-1+ht, 15m x 0.25mm x 0.10µm
 Temp: 75°C (1 min hold) to 285°C at 15°C/min
 Carrier Gas: Helium at 1mL/min (33cm/sec)
 Detector: FID at 350°C

Naphtha



Column: CA-1+, 30m x 0.25mm ID x 0.25µm
 Temp: 40°C to 100°C at 2°C/min
 Carrier Gas: Hydrogen, 1.5mL/min
 Detector: FID

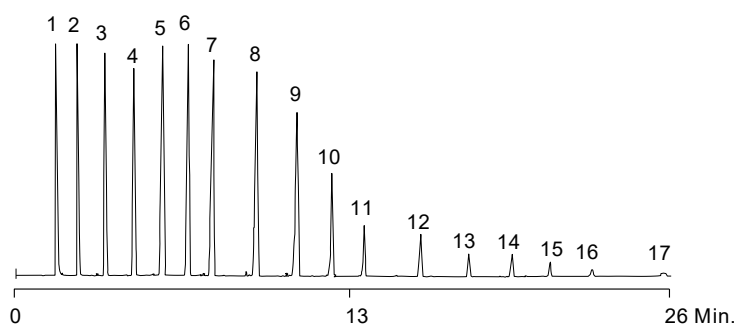
Separation of Gasoline Fractions



- | | |
|---------------------|---------------------|
| 1. 2-Methylbutane | 9. p-Xylene |
| 2. n-Pentane | 10. n-Propylbenzene |
| 3. 2-Methylpentane | 11. n-Decane |
| 4. n-Hexane | 12. n-Butylbenzene |
| 5. | 13. n-Dodecane |
| 2,4-Dimethylpentane | 14. n-Tridecane |
| 6. n-Heptane | 15. n-Tetradecane |
| 7. Toluene | 16. n-Pentadecane |
| 8. n-Octane | |

Column: CA-3710+, 15m x 0.53mm x 5.0µm
 Temp: 31°C (2min) to 200°C at 20°C/min
 Carrier Gas: Helium, 8mL/min
 Detector: FID

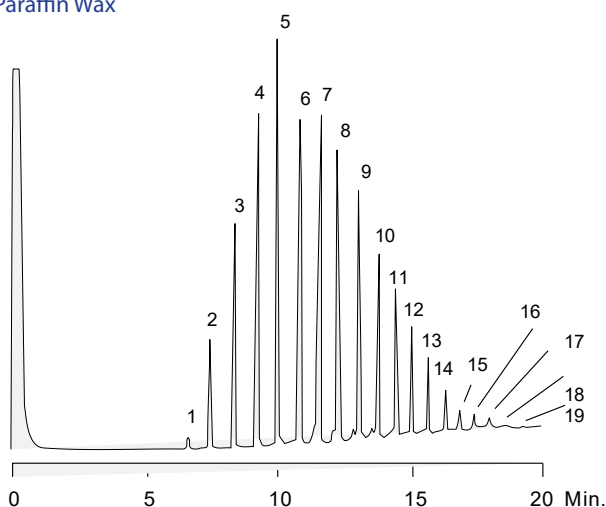
Simulated Distillation



- | | |
|------------------|-------------------------|
| 1. n-Hexane | 10. n-Octadecane |
| 2. n-Heptane | 11. n-Eicosane |
| 3. n-Octane | 12. n-Tetracosane |
| 4. n-Nonane | 13. n-Octacosane |
| 5. n-Decane | 14. n-Dotriacontane |
| 6. n-Undecane | 15. n-Hexatriacontane |
| 7. n-Dodecane | 16. n-Tetracontane |
| 8. n-Tetradecane | 17. n-Tetratetracontane |
| 9. n-Hexadecane | |

Column: CA-2887+, 10m x 0.53mm x 1.2µm
 Temp: 35°C (1min) to 340°C at 15°C/min
 Carrier Gas: Helium, 8mL/min
 Detector: FID

Paraffin Wax



- | | |
|----------------------|------------------------|
| 1. n-Docosane | 11. n-Dotriacontane |
| 2. n-Tricosane | 12. n-Tritriacontane |
| 3. n-Tetracosane | 13. n-Tetratriacontane |
| 4. n-Pentacosane | 14. n-Pentatriacontane |
| 5. n-Hexacosane | 15. n-Hexatriacontane |
| 6. n-Heptacosane | 16. n-Heptatriacontane |
| 7. n-Octacosane | 17. n-Octatriacontane |
| 8. n-Nonacosane | 18. n-Nonatriacontane |
| 9. n-Triacontane | 19. n-Tetracontane |
| 10. n-Hentriacontane | |

Column: CA-1+, 10m x 0.53mm x 1.2µm
 Temp: 150°C to 325°C at 10°C/min
 Carrier Gas: Helium at 5mL/min
 Detector: FID

Technical

Contact Support: P +91-265 2984445 (INDIA)
 E marketing@forcscientific.com
 W www.forcscientific.com

Ordering Information

PHASE	LENGHT	I. D.	FILM	PART NO.	PHASE	LENGHT	I. D.	FILM	PART NO.
CA-1+	10 m	0.10 mm	0.10 µM	11011010	CA-1+	30 m	0.32 mm	0.25 µM	11023032
CA-1+	10 m	0.18 mm	0.18 µM	11091018	CA-1+	30 m	0.53 mm	0.25 µM	11023053
CA-1+	10 m	0.18 mm	0.20 µM	11211018	CA-1+	30 m	0.20 mm	0.35 µM	11033020
CA-1+	10 m	0.10 mm	0.40 µM	11041010	CA-1+	30 m	0.20 mm	0.50 µM	11053020
CA-1+	10 m	0.18 mm	0.40 µM	11041018	CA-1+	30 m	0.25 mm	0.50 µM	11053025
CA-1+	10 m	0.53 mm	0.88 µM	11081053	CA-1+	30 m	0.32 mm	0.50 µM	11053032
CA-1+	10 m	0.53 mm	2.65 µM	11261053	CA-1+	30 m	0.53 mm	0.50 µM	11053053
CA-1+	10 m	0.53 mm	3.00 µM	11301053	CA-1+	30 m	0.53 mm	0.88 µM	11083053
CA-1+	10 m	0.53 mm	5.00 µM	11501053	CA-1+	30 m	0.25 mm	1.00 µM	11103025
CA-1+	10 m	0.15 mm	1.2 µM	11121015	CA-1+	30 m	0.32 mm	1.00 µM	11103032
CA-1+	15 m	0.25 mm	0.10 µM	11011525	CA-1+	30 m	0.32 mm	1.50 µM	11153032
CA-1+	15 m	0.32 mm	0.10 µM	11011532	CA-1+	30 m	0.53 mm	1.50 µM	11153053
CA-1+	15 m	0.53 mm	0.10 µM	11011553	CA-1+	30 m	0.53 mm	2.65 µM	11263053
CA-1+	15 m	0.20 mm	0.15 µM	11131520	CA-1+	30 m	0.53 mm	3.00 µM	11303053
CA-1+	15 m	0.53 mm	0.15 µM	11511553	CA-1+	30 m	0.32 mm	3.00 µM	11303032
CA-1+	15 m	0.25 mm	0.25 µM	11021525	CA-1+	30 m	0.53 mm	5.00 µM	11503053
CA-1+	15 m	0.32 mm	0.25 µM	11021532	CA-1+	30 m	0.53 mm	7.00 µM	11703053
CA-1+	15 m	0.20 mm	0.35 µM	11031520	CA-1+	30m	0.25 mm	0.25 µM	11023025
CA-1+	15 m	0.20 mm	0.50 µM	11051520	CA-1+	40 m	0.10 mm	0.20 µM	11214010
CA-1+	15 m	0.25 mm	0.50 µM	11051525	CA-1+	40 m	0.10 mm	0.40 µM	11044010
CA-1+	15 m	0.32 mm	0.50 µM	11051532	CA-1+	40 m	0.18 mm	0.40 µM	11044018
CA-1+	15 m	0.53 mm	0.50 µM	11051553	CA-1+	50 m	0.25 mm	0.10 µM	11015025
CA-1+	15 m	0.25 mm	1.00 µM	11101525	CA-1+	50 m	0.32 mm	0.10 µM	11015032
CA-1+	15 m	0.32 mm	1.00 µM	11101532	CA-1+	50 m	0.53 mm	0.10 µM	11015053
CA-1+	15 m	0.53 mm	1.50 µM	11151553	CA-1+	50 m	0.20 mm	0.15 µM	11135020
CA-1+	15 m	0.32 mm	3.00 µM	11301532	CA-1+	50 m	0.25 mm	0.25 µM	11025025
CA-1+	15 m	0.53 mm	3.00 µM	11301553	CA-1+	50 m	0.32 mm	0.25 µM	11025032
CA-1+	15 m	0.53 mm	5.00 µM	11501553	CA-1+	50 m	0.20 mm	0.33 µM	11335020
CA-1+	15 m	0.53 mm	7.00 µM	11701553	CA-1+	50 m	0.25 mm	0.35 µM	11035025
CA-1+	20 m	0.10 mm	0.10 µM	11012010	CA-1+	50 m	0.20 mm	0.35 µM	11035020
CA-1+	20 m	0.18 mm	0.18 µM	11092018	CA-1+	50 m	0.25 mm	0.50 µM	11055025
CA-1+	20 m	0.10 mm	0.40 µM	11042010	CA-1+	50 m	0.32 mm	0.50 µM	11055032
CA-1+	20 m	0.18 mm	0.40 µM	11042018	CA-1+	50 m	0.53 mm	0.50 µM	11055053
CA-1+	25 m	0.25 mm	0.10 µM	11012525	CA-1+	50 m	0.25 mm	1.00 µM	11105025
CA-1+	25 m	0.32 mm	0.10 µM	11012532	CA-1+	50 m	0.32 mm	1.00 µM	11105032
CA-1+	25 m	0.53 mm	0.10 µM	11012553	CA-1+	50 m	0.53 mm	1.50 µM	11155053
CA-1+	25 m	0.20 mm	0.15 µM	11132520	CA-1+	50 m	0.32 mm	3.00 µM	11305032
CA-1+	25 m	0.25 mm	0.25 µM	11022525	CA-1+	50 m	0.53 mm	3.00 µM	11305053
CA-1+	25 m	0.32 mm	0.25 µM	11022532	CA-1+	50 m	0.53 mm	5.00 µM	11505053
CA-1+	25 m	0.20 mm	0.33 µM	11332520	CA-1+	50m	0.32mm	0.12 µM	11125032
CA-1+	25 m	0.20 mm	0.35 µM	11032520	CA-1+	60 m	0.25 mm	0.10 µM	11016025
CA-1+	25 m	0.20 mm	0.50 µM	11052520	CA-1+	60 m	0.32 mm	0.10 µM	11016032
CA-1+	25 m	0.25 mm	0.50 µM	11052525	CA-1+	60 m	0.53 mm	0.10 µM	11016053
CA-1+	25 m	0.32 mm	0.50 µM	11052532	CA-1+	60 m	0.20 mm	0.15 µM	11136020
CA-1+	25 m	0.53 mm	0.50 µM	11052553	CA-1+	60 m	0.25 mm	0.25 µM	11026025
CA-1+	25 m	0.32 mm	0.52 µM	11522532	CA-1+	60 m	0.32 mm	0.25 µM	11026032
CA-1+	25 m	0.25 mm	1.00 µM	11102525	CA-1+	60 m	0.20 mm	0.35 µM	11036020
CA-1+	25 m	0.32 mm	1.00 µM	11102532	CA-1+	60 m	0.20 mm	0.50 µM	11056020
CA-1+	25 m	0.53 mm	1.50 µM	11152553	CA-1+	60 m	0.25 mm	0.50 µM	11056025
CA-1+	25 m	0.32 mm	3.00 µM	11302532	CA-1+	60 m	0.32 mm	0.50 µM	11056032
CA-1+	25 m	0.53 mm	3.00 µM	11302553	CA-1+	60 m	0.53 mm	0.50 µM	11056053
CA-1+	25 m	0.53 mm	5.00 µM	11502553	CA-1+	60 m	0.25 mm	1.00 µM	11106025
CA-1+	30 m	0.25 mm	0.10 µM	11013025	CA-1+	60 m	0.32 mm	1.00 µM	11106032
CA-1+	30 m	0.32 mm	0.10 µM	11013032	CA-1+	60 m	0.53 mm	1.50 µM	11156053
CA-1+	30 m	0.53 mm	0.10 µM	11013053	CA-1+	60 m	0.53 mm	3.00 µM	11306053
CA-1+	30 m	0.20 mm	0.15 µM	11133020	CA-1+	60 m	0.32 mm	3.00 µM	11306032

Force CA+ GC Capillary Column

PHASE	LENGHT	I. D.	FILM	PART NO.	PHASE	LENGHT	I. D.	FILM	PART NO.
CA-1+	60 m	0.32 mm	5.00 µM	11506032	CA-1000+	60 m	0.20 mm	0.30 µM	15216020
CA-1+	60 m	0.53 mm	5.00 µM	11506053	CA-1000+	60 m	0.32 mm	0.50 µM	15056032
CA-1+	60 m	0.53 mm	7.00 µM	11706053	CA-1000+	60 m	0.53 mm	0.50 µM	15056053
CA-1+ MS	10 m	0.10 mm	0.40 µM	111041010	CA-1000+	60 m	0.53 mm	1.00 µM	15106053
CA-1+ MS	10m	0.10 mm	0.10 µM	111011010	CA-1000+	60 m	0.32 mm	1.00 µM	15106032
CA-1+ MS	15 m	0.25 mm	0.10 µM	211011525	CA-1000+	60 m	0.53 mm	3.00 µM	15306053
CA-1+ MS	15 m	0.32 mm	0.10 µM	211011532	CA-1000+	60m	0.32 mm	0.30 µM	15036032
CA-1+ MS	15 m	0.25 mm	0.25 µM	111021525	CA-1301+	15 m	0.25 mm	0.25 µM	13021525
CA-1+ MS	15 m	0.32 mm	0.25 µM	111021532	CA-1301+	15 m	0.25 mm	0.25 µM	13021525
CA-1+ MS	15 m	0.20 mm	0.33 µM	111331520	CA-1301+	15 m	0.32 mm	0.25 µM	13021532
CA-1+ MS	15 m	0.32 mm	0.50 µM	111051532	CA-1301+	15 m	0.25 mm	1.00 µM	13101525
CA-1+ MS	15 m	0.53 mm	0.50 µM	111051553	CA-1301+	15 m	0.32 mm	1.00 µM	13101532
CA-1+ MS	15 m	0.25 mm	1.00 µM	111101525	CA-1301+	15 m	0.53 mm	1.00 µM	13101553
CA-1+ MS	15 m	0.32 mm	1.00 µM	111101532	CA-1301+	30 m	0.25 mm	0.25 µM	13023025
CA-1+ MS	15 m	0.53 mm	1.00 µM	111101553	CA-1301+	30 m	0.32 mm	0.25 µM	13023032
CA-1+ MS	15 m	0.53 mm	1.50 µM	111151553	CA-1301+	30 m	0.25 mm	1.00 µM	13103025
CA-1+ MS	20 m	0.10 mm	0.10 µM	111012010	CA-1301+	30 m	0.32 mm	1.00 µM	13103032
CA-1+ MS	20 m	0.18 mm	0.18 µM	111092018	CA-1301+	30 m	0.53 mm	1.00 µM	13103053
CA-1+ MS	20 m	0.10 mm	0.40 µM	111042010	CA-1301+	30 m	0.32 mm	1.50 µM	13153032
CA-1+ MS	25 m	0.20 mm	0.33 µM	111332520	CA-1301+	30 m	0.32 mm	3.00 µM	13303032
CA-1+ MS	30 m	0.25 mm	0.10 µM	211013025	CA-1301+	60 m	0.25 mm	0.25 µM	13026025
CA-1+ MS	30 m	0.32 mm	0.10 µM	211013032	CA-1301+	60 m	0.32 mm	0.25 µM	13026032
CA-1+ MS	30 m	0.25 mm	0.25 µM	111023025	CA-1301+	60 m	0.25 mm	1.00 µM	13106025
CA-1+ MS	30 m	0.32 mm	0.25 µM	111023032	CA-1301+	60 m	0.32 mm	1.00 µM	13106032
CA-1+ MS	30 m	0.20 mm	0.33 µM	111333020	CA-1301+	60 m	0.53 mm	1.00 µM	13106053
CA-1+ MS	30 m	0.25 mm	0.40 µM	111043025	CA-1701+	10 m	0.18 mm	0.40 µM	17041018
CA-1+ MS	30 m	0.32 mm	0.50 µM	111053032	CA-1701+	15 m	0.25 mm	0.10 µM	17011525
CA-1+ MS	30 m	0.53 mm	0.50 µM	111053053	CA-1701+	15 m	0.32 mm	0.10 µM	17011532
CA-1+ MS	30 m	0.25 mm	1.00 µM	111103025	CA-1701+	15 m	0.53 mm	0.10 µM	17011553
CA-1+ MS	30 m	0.32 mm	1.00 µM	111103032	CA-1701+	15 m	0.20 mm	0.20 µM	17211520
CA-1+ MS	30 m	0.53 mm	1.00 µM	111103053	CA-1701+	15 m	0.25 mm	0.25 µM	17021525
CA-1+ MS	30 m	0.53 mm	1.50 µM	111153053	CA-1701+	15 m	0.32 mm	0.25 µM	17021532
CA-1+ MS	40 m	0.18 mm	0.18 µM	111094018	CA-1701+	15 m	0.25 mm	0.50 µM	17051525
CA-1+ MS	50 m	0.32 mm	0.25 µM	111025032	CA-1701+	15 m	0.32 mm	0.50 µM	17051532
CA-1+ MS	50 m	0.20 mm	0.33 µM	111335020	CA-1701+	15 m	0.53 mm	0.50 µM	17051553
CA-1+ MS	60 m	0.25 mm	0.25 µM	111026025	CA-1701+	15 m	0.25 mm	1.00 µM	17101525
CA-1+ MS	60 m	0.32 mm	0.25 µM	111026032	CA-1701+	15 m	0.32 mm	1.00 µM	17101532
CA-1+ MS	60 m	0.20 mm	0.33 µM	111336020	CA-1701+	15 m	0.53 mm	1.00 µM	17101553
CA-1+ MS	60 m	0.32 mm	0.50 µM	111056032	CA-1701+	15 m	0.53 mm	1.50 µM	17151553
CA-1+ MS	60 m	0.25 mm	1.00 µM	111106025	CA-1701+	20 m	0.10 mm	0.10 µM	17012010
CA-1+ MS	60 m	0.32 mm	1.00 µM	111106032	CA-1701+	20 m	0.10 mm	0.40 µM	17042010
CA-1000+	10 m	0.53 mm	0.50 µM	15051053	CA-1701+	30 m	0.25 mm	0.10 µM	17017025
CA-1000+	15 m	0.25 mm	0.25 µM	15021525	CA-1701+	30 m	0.32 mm	0.10 µM	17017032
CA-1000+	15 m	0.32 mm	0.25 µM	15021532	CA-1701+	30 m	0.53 mm	0.10 µM	17017053
CA-1000+	15 m	0.20 mm	0.30 µM	15211520	CA-1701+	30 m	0.20 mm	0.20 µM	17217020
CA-1000+	15 m	0.32 mm	0.50 µM	15051532	CA-1701+	30 m	0.20 mm	0.20 µM	17217020
CA-1000+	15 m	0.53 mm	0.50 µM	15051553	CA-1701+	30 m	0.32 mm	0.25 µM	17023032
CA-1000+	15 m	0.53 mm	1.00 µM	15101553	CA-1701+	30 m	0.25 mm	0.50 µM	17053025
CA-1000+	20 m	0.10 mm	0.10 µM	15012010	CA-1701+	30 m	0.32 mm	0.50 µM	17053032
CA-1000+	20 m	0.25 mm	0.25 µM	15022025	CA-1701+	30 m	0.53 mm	0.50 µM	17053053
CA-1000+	25 m	0.53 mm	1.00 µM	15102553	CA-1701+	30 m	0.32 mm	1.00 µM	17103032
CA-1000+	30 m	0.25 mm	0.25 µM	15023025	CA-1701+	30 m	0.53 mm	1.00 µM	17103053
CA-1000+	30 m	0.32 mm	0.25 µM	15023032	CA-1701+	30 m	0.53 mm	1.20 µM	17123053
CA-1000+	30 m	0.20 mm	0.30 µM	15213020	CA-1701+	30 m	0.53 mm	1.50 µM	17153053
CA-1000+	30 m	0.32 mm	0.50 µM	15053032	CA-1701+	30 m	0,53 mm	2,00 µM	17203053
CA-1000+	30 m	0.53 mm	0.50 µM	15053053	CA-1701+	30m	0.25 mm	0.25 µM	17023025
CA-1000+	30 m	0.53 mm	1.00 µM	15103053	CA-1701+	30m	0.25 mm	1.00 µM	17103025
CA-1000+	30 m	0.53 mm	2.00 µM	15203053	CA-1701+	60 m	0.25 mm	0.10 µM	17016025
CA-1000+	60 m	0.25 mm	0.25 µM	15026025	CA-1701+	60 m	0.32 mm	0.10 µM	17016032
CA-1000+	60 m	0.32 mm	0.25 µM	15026032	CA-1701+	60 m	0.53 mm	0.10 µM	17016053

Force CA+ GC Capillary Column

PHASE	LENGHT	I. D.	FILM	PART NO.	PHASE	LENGHT	I. D.	FILM	PART NO.
CA-1701+	60 m	0.20 mm	0.20 µM	17216020	CA-35+	60 m	0.32 mm	0.15 µM	20136032
CA-1701+	60 m	0.25 mm	0.25 µM	17026025	CA-35+	60 m	0.25 mm	0.25 µM	20026025
CA-1701+	60 m	0.32 mm	0.25 µM	17026032	CA-35+	60 m	0.32 mm	0.25 µM	20026032
CA-1701+	60 m	0.25 mm	0.50 µM	17056025	CA-35+	60 m	0.32 mm	0.50 µM	20056032
CA-1701+	60 m	0.32 mm	0.50 µM	17056032	CA-35+	60 m	0.53 mm	0.50 µM	20056053
CA-1701+	60 m	0.53 mm	0.50 µM	17056053	CA-35+	60 m	0.53 mm	1.00 µM	20106053
CA-1701+	60 m	0.25 mm	1.00 µM	17106025	CA-35+MS	15 m	0.25 mm	0.25 µM	120021525
CA-1701+	60 m	0.32 mm	1.00 µM	17106032	CA-35+MS	15 m	0,32 mm	0.25 µM	120021532
CA-1701+	60 m	0.53 mm	1.00 µM	17106053	CA-35+MS	15 m	0,25 mm	0,50 µM	120051525
CA-1701+	60 m	0.53 mm	1.50 µM	17156053	CA-35+MS	15 m	0,32 mm	0,50 µM	120051532
CA-20+	15 m	0.25 mm	0.25 µM	20021525	CA-35+MS	15 m	0,53 mm	0,50 µM	120051553
CA-20+	15 m	0.32 mm	0.25 µM	20021532	CA-35+MS	15 m	0,25 mm	1,00 µM	120101525
CA-20+	15 m	0.53 mm	0.50 µM	20051553	CA-35+MS	15 m	0,32 mm	1,00 µM	120101532
CA-20+	15 m	0.25 mm	1.00 µM	20101525	CA-35+MS	30 m	0,25 mm	0,25 µM	120023025
CA-20+	15 m	0.32 mm	1.00 µM	20101532	CA-35+MS	30 m	0,32 mm	0,25 µM	120023032
CA-20+	15 m	0.53 mm	1.00 µM	20101553	CA-35+MS	30 m	0,25 mm	0,50 µM	120053025
CA-20+	30 m	0.25 mm	0.25 µM	20023025	CA-35+MS	30 m	0,32 mm	0,50 µM	120053032
CA-20+	30 m	0.32 mm	0.25 µM	20023032	CA-35+MS	30 m	0,25 mm	1,00 µM	120103025
CA-20+	30 m	0.53 mm	0.50 µM	20053053	CA-35+MS	30 m	0,53 mm	1,00 µM	120103053
CA-20+	30 m	0.25 mm	1.00 µM	20103025	CA-35+MS	30 m	0,32 mm	1,00 µM	120103032
CA-20+	30 m	0.32 mm	1.00 µM	20103032	CA-5+	10 m	0.10 mm	0.10 µM	12011010
CA-20+	30 m	0.53 mm	1.00 µM	20103053	CA-5+	10 m	0.10 mm	0.17 µM	12171010
CA-20+	60 m	0.25 mm	0.25 µM	20026025	CA-5+	10 m	0.18 mm	0.18 µM	12091018
CA-20+	60 m	0.32 mm	0.25 µM	20026032	CA-5+	10 m	0.10 mm	0.33 µM	12331010
CA-20+	60 m	0.53 mm	0.50 µM	20056053	CA-5+	10 m	0.10 mm	0.40 µM	12041010
CA-20+	60 m	0.25 mm	1.00 µM	20106025	CA-5+	10 m	0.18 mm	0.40 µM	12041018
CA-20+	60 m	0.32 mm	1.00 µM	20106032	CA-5+	10 m	0.53 mm	2.65 µM	12261053
CA-20+	60 m	0.32 mm	1.00 µM	20106032	CA-5+	12 m	0.20 mm	0.33 µM	12331220
CA-20+	60 m	0.53 mm	1.00 µM	20106053	CA-5+	15 m	0.25 mm	0.10 µM	12011525
CA-225+	15 m	0.25 mm	0.15 µM	16131516	CA-5+	15 m	0.32 mm	0.10 µM	12011532
CA-225+	15 m	0.32 mm	0.15 µM	16131532	CA-5+	15 m	0.53 mm	0.10 µM	12011553
CA-225+	15 m	0.20 mm	0.20 µM	16211520	CA-5+	15 m	0.20 mm	0.15 µM	12131520
CA-225+	15 m	0.25 mm	0.25 µM	16021516	CA-5+	15 m	0.25 mm	0.25 µM	12021525
CA-225+	15 m	0.32 mm	0.25 µM	16021532	CA-5+	15 m	0.32 mm	0.25 µM	12021532
CA-225+	15 m	0.53 mm	1.00 µM	16101553	CA-5+	15 m	0.20 mm	0.35 µM	12031520
CA-225+	20 m	0.10 mm	0.10 µM	16012010	CA-5+	15 m	0.20 mm	0.50 µM	12051520
CA-225+	20 m	0.18 mm	0.20 µM	16212018	CA-5+	15 m	0.25 mm	0.50 µM	12051525
CA-225+	25 m	0.20 mm	0.20 µM	16211620	CA-5+	15 m	0.32 mm	0.50 µM	12051532
CA-225+	30 m	0.25 mm	0.15 µM	16133016	CA-5+	15 m	0.53 mm	0.50 µM	12051553
CA-225+	30 m	0.32 mm	0.15 µM	16133032	CA-5+	15 m	0.25 mm	1.00 µM	12101525
CA-225+	30 m	0.20 mm	0.20 µM	16213020	CA-5+	15 m	0.32 mm	1.00 µM	12101532
CA-225+	30 m	0.25 mm	0.25 µM	16023016	CA-5+	15 m	0.53 mm	1.50 µM	12151553
CA-225+	30 m	0.32 mm	0.25 µM	16023032	CA-5+	15 m	0.32 mm	3.00 µM	12301532
CA-225+	30 m	0.53 mm	1.00 µM	16103053	CA-5+	15 m	0.53 mm	3.00 µM	12301553
CA-35+	15 m	0.25 mm	0.15 µM	20131525	CA-5+	15 m	0.53 mm	5.00 µM	12501553
CA-35+	15 m	0.32 mm	0.15 µM	20131532	CA-5+	20 m	0.10 mm	0.10 µM	12012010
CA-35+	15 m	0.25 mm	0.25 µM	20021525	CA-5+	20 m	0.18 mm	0.18 µM	12092018
CA-35+	15 m	0.32 mm	0.25 µM	20021532	CA-5+	20 m	0.10 mm	0.40 µM	12042010
CA-35+	15 m	0.32 mm	0.50 µM	20051532	CA-5+	20 m	0.18 mm	0.40 µM	12042018
CA-35+	15 m	0.53 mm	0.50 µM	20051553	CA-5+	25 m	0.25 mm	0.10 µM	12012525
CA-35+	15 m	0.53 mm	1.00 µM	20101553	CA-5+	25 m	0.32 mm	0.10 µM	12012532
CA-35+	30 m	0.25 mm	0.15 µM	20133025	CA-5+	25 m	0.53 mm	0.10 µM	12012553
CA-35+	30 m	0.32 mm	0.15 µM	20133032	CA-5+	25 m	0.20 mm	0.15 µM	12132520
CA-35+	30 m	0.25 mm	0.25 µM	20023025	CA-5+	25 m	0.25 mm	0.25 µM	12022525
CA-35+	30 m	0.32 mm	0.25 µM	20023032	CA-5+	25 m	0.32 mm	0.25 µM	12022532
CA-35+	30 m	0.32 mm	0.50 µM	20053032	CA-5+	25 m	0.20 mm	0.33 µM	12332520
CA-35+	30 m	0.53 mm	0.50 µM	20053053	CA-5+	25 m	0.20 mm	0.35 µM	12032520
CA-35+	30 m	0.53 mm	1.00 µM	20103053	CA-5+	25 m	0.20 mm	0.50 µM	12052520
CA-35+	30 m	0.53 mm	3.00 µM	20303053	CA-5+	25 m	0.25 mm	0.50 µM	12052525
CA-35+	60 m	0.25 mm	0.15 µM	20136025	CA-5+	25 m	0.32 mm	0.50 µM	12052532

Force CA+ GC Capillary Column

PHASE	LENGHT	I. D.	FILM	PART NO.	PHASE	LENGHT	I. D.	FILM	PART NO.
CA-5+	25 m	0.53 mm	0.50 µM	12052553	CA-5+	60 m	0.20 mm	0.35 µM	12036020
CA-5+	25 m	0.32 mm	0.52 µM	12522532	CA-5+	60 m	0.20 mm	0.50 µM	12056020
CA-5+	25 m	0.53mm	1,00 µM	12102553	CA-5+	60 m	0.25 mm	0.50 µM	12056025
CA-5+	25 m	0.25 mm	1.00 µM	12102525	CA-5+	60 m	0.32 mm	0.50 µM	12056032
CA-5+	25 m	0.32 mm	1.00 µM	12102532	CA-5+	60 m	0.53 mm	0.50 µM	12056053
CA-5+	25 m	0.53 mm	1.50 µM	12152553	CA-5+	60 m	0.25 mm	1.00 µM	12106025
CA-5+	25 m	0.32 mm	3.00 µM	12302532	CA-5+	60 m	0.32 mm	1.00 µM	12106032
CA-5+	25 m	0.53 mm	3.00 µM	12302553	CA-5+	60 m	0.53 mm	1.50 µM	12156053
CA-5+	25 m	0.32 mm	5.00 µM	12502532	CA-5+	60 m	0.32 mm	3.00 µM	12306032
CA-5+	25 m	0.53 mm	5.00 µM	12502553	CA-5+	60 m	0.53 mm	3.00 µM	12306053
CA-5+	30 m	0.25 mm	0.10 µM	12013025	CA-5+	60 m	0.53 mm	5.00 µM	12506053
CA-5+	30 m	0.32 mm	0.10 µM	12013032	CA-5+	60m	0.22 mm	0.20 µM	12216022
CA-5+	30 m	0.53 mm	0.10 µM	12013053	CA-5+ AMINE	15 m	0.25 mm	0.50 µM	23051525
CA-5+	30 m	0.20 mm	0.15 µM	12133020	CA-5+ AMINE	15 m	0.32 mm	0.50 µM	23051532
CA-5+	30 m	0.32 mm	0.25 µM	12023032	CA-5+ AMINE	15 m	0.25 mm	1.00 µM	23101525
CA-5+	30 m	0.20 mm	0.35 µM	12033020	CA-5+ AMINE	15 m	0.32 mm	1.00 µM	23101532
CA-5+	30 m	0.20 mm	0.50 µM	12053020	CA-5+ AMINE	15 m	0.53 mm	1.00 µM	23101553
CA-5+	30 m	0.25 mm	0.50 µM	12053025	CA-5+ AMINE	15 m	0.32 mm	1.50 µM	23151532
CA-5+	30 m	0.32 mm	0.50 µM	12053032	CA-5+ AMINE	15 m	0.53 mm	3.00 µM	23301553
CA-5+	30 m	0.53 mm	0.50 µM	12053053	CA-5+ AMINE	30 m	0.25 mm	0.50 µM	23053025
CA-5+	30 m	0.53 mm	0.88 µM	12083053	CA-5+ AMINE	30 m	0.32 mm	0.50 µM	23053032
CA-5+	30 m	0.25 mm	1.00 µM	12103025	CA-5+ AMINE	30 m	0.25 mm	1.00 µM	23103025
CA-5+	30 m	0.32 mm	1.00 µM	12103032	CA-5+ AMINE	30 m	0.32 mm	1.00 µM	23103032
CA-5+	30 m	0.53 mm	1.00 µM	12103053	CA-5+ AMINE	30 m	0.53 mm	1.00 µM	23103053
CA-5+	30 m	0.53 mm	1.50 µM	12153053	CA-5+ AMINE	30 m	0.32 mm	1.50 µM	23153032
CA-5+	30 m	0.53 mm	2.65 µM	12263053	CA-5+ AMINE	30 m	0.32 mm	1.50 µM	23153032
CA-5+	30 m	0.32 mm	3.00 µM	12303032	CA-5+ AMINE	30 m	0.53 mm	3.00 µM	23303053
CA-5+	30 m	0.53 mm	3.00 µM	12303053	CA-5+ AMINE	30m	0.25mm	0.25 µM	23023025
CA-5+	30 m	0.53 mm	5.00 µM	12503053	CA-5+ AMINE	60 m	0.25 mm	0.50 µM	23056025
CA-5+	30m	0.25mm	0.25 µM	12023025	CA-5+ AMINE	60 m	0.32 mm	0.50 µM	23056032
CA-5+	40 m	0.18 mm	0.18 µM	12094018	CA-5+ AMINE	60 m	0.25 mm	1.00 µM	23106025
CA-5+	50 m	0.25 mm	0.10 µM	12015025	CA-5+ AMINE	60 m	0.32 mm	1.00 µM	23106032
CA-5+	50 m	0.32 mm	0.10 µM	12015032	CA-5+ AMINE	60 m	0.53 mm	1.00 µM	23106053
CA-5+	50 m	0.53 mm	0.10 µM	12015053	CA-5+ AMINE	60 m	0.32 mm	1.50 µM	23156032
CA-5+	50 m	0.25 mm	0.12 µM	12075025	CA-5+ AMINE	60 m	0.53 mm	3.00 µM	23306053
CA-5+	50 m	0.20 mm	0.15 µM	12135020	CA-5+ HT	15 m	0.25 mm	0.10 µM	212011525
CA-5+	50 m	0.25 mm	0.25 µM	12025025	CA-5+ HT	15 m	0.32 mm	0.10 µM	212011532
CA-5+	50 m	0.32 mm	0.25 µM	12025032	CA-5+ HT	30 m	0.25 mm	0.10 µM	212013025
CA-5+	50 m	0.20 mm	0.33 µM	12335020	CA-5+ HT	30 m	0.32 mm	0.10 µM	212013032
CA-5+	50 m	0.20 mm	0.35 µM	12035020	CA-5+MS	10 m	0.10 mm	0.10 µM	112011010
CA-5+	50 m	0.20 mm	0.35 µM	12035020	CA-5+MS	10 m	0.10 mm	0.40 µM	112041010
CA-5+	50 m	0.20 mm	0.50 µM	12055020	CA-5+MS	12 m	0.20 mm	0.33 µM	112331220
CA-5+	50 m	0.25 mm	0.50 µM	12055025	CA-5+MS	15 m	0.25 mm	0.10 µM	112011525
CA-5+	50 m	0.32 mm	0.50 µM	12055032	CA-5+MS	15 m	0.32 mm	0.10 µM	112011532
CA-5+	50 m	0.53 mm	0.50 µM	12055053	CA-5+MS	15 m	0.25 mm	0.25 µM	112021525
CA-5+	50 m	0.32 mm	0.52 µM	12065032	CA-5+MS	15 m	0.32 mm	0.25 µM	112021532
CA-5+	50 m	0.25 mm	1.00 µM	12105025	CA-5+MS	15 m	0.20 mm	0.33 µM	112332520
CA-5+	50 m	0.32 mm	1.00 µM	12105032	CA-5+MS	15 m	0.32 mm	0.50 µM	112051532
CA-5+	50 m	0.53 mm	1.00 µM	12105053	CA-5+MS	15 m	0.53 mm	0.50 µM	112051553
CA-5+	50 m	0.53 mm	1.50 µM	12155053	CA-5+MS	15 m	0.25 mm	1.00 µM	112101525
CA-5+	50 m	0.32 mm	3.00 µM	12305032	CA-5+MS	15 m	0.32 mm	1.00 µM	112101532
CA-5+	50 m	0.53 mm	3.00 µM	12305053	CA-5+MS	15 m	0.53 mm	1.00 µM	112101553
CA-5+	50 m	0.32 mm	5.00 µM	12505032	CA-5+MS	15 m	0.53 mm	1.50 µM	112151553
CA-5+	50 m	0.53 mm	5.00 µM	12505053	CA-5+MS	20 m	0.10 mm	0.10 µM	112012010
CA-5+	60 m	0,20 mm	0,40 µM	12046020	CA-5+MS	20 m	0.18 mm	0.18 µM	112092018
CA-5+	60 m	0.25 mm	0.10 µM	12016025	CA-5+MS	20 m	0.10 mm	0.40 µM	112042010
CA-5+	60 m	0.32 mm	0.10 µM	12016032	CA-5+MS	25 m	0.20 mm	0.11 µM	1120122520
CA-5+	60 m	0.53 mm	0.10 µM	12016053	CA-5+MS	25 m	0.20 mm	0.33 µM	112332520
CA-5+	60 m	0.20 mm	0.15 µM	12136020	CA-5+MS	25 m	0.32 mm	0.50 µM	112052532
CA-5+	60 m	0.25 mm	0.25 µM	12026025	CA-5+MS	30 m	0.25 mm	0.10 µM	112013025
CA-5+	60 m	0.32 mm	0.25 µM	12026032	CA-5+MS	30 m	0.32 mm	0.10 µM	112013032

Force CA+ GC Capillary Column

PHASE	LENGHT	I. D.	FILM	PART NO.
CA-5+MS	30 m	0.25 mm	0.25 µM	112023025
CA-5+MS	30 m	0.32 mm	0.25 µM	112023032
CA-5+MS	30 m	0.20 mm	0.33 µM	112333020
CA-5+MS	30 m	0.25 mm	0.50 µM	112053025
CA-5+MS	30 m	0.32 mm	0.50 µM	112053032
CA-5+MS	30 m	0.53 mm	0.50 µM	112053053
CA-5+MS	30 m	0.25 mm	1.00 µM	112103025
CA-5+MS	30 m	0.32 mm	1.00 µM	112103032
CA-5+MS	30 m	0.53 mm	1.00 µM	112103053
CA-5+MS	30 m	0.53 mm	1.40 µM	112143053
CA-5+MS	30 m	0.53 mm	1.50 µM	112153053
CA-5+MS	40 m	0.18 mm	0.18 µM	112094018
CA-5+MS	50 m	0.25 mm	0.12 µM	112035025
CA-5+MS	50 m	0.20 mm	0.33 µM	112335020
CA-5+MS	60 m	0.25 mm	0.10 µM	112016025
CA-5+MS	60 m	0.32 mm	0.10 µM	112016032
CA-5+MS	60 m	0.25 mm	0.25 µM	112026025
CA-5+MS	60 m	0.32 mm	0.25 µM	112026032
CA-5+MS	60 m	0.20 mm	0.33 µM	112336020
CA-5+MS	60 m	0.32 mm	0.50 µM	112056032
CA-5+MS	60 m	0.25 mm	1.00 µM	112106025
CA-5+MS	60 m	0.32 mm	1.00 µM	112106032
CA-50+	10 m	0.53 mm	2.00 µM	21201053
CA-50+	30 m	0.32 mm	0.25 µM	21023032
CA-50+	30 m	0.53 mm	0.50 µM	21053053
CA-50+	30 m	0.53 mm	1.00 µM	21103053
CA-50+HT	15 m	0.25 mm	0.10 µM	221011525
CA-50+HT	15 m	0.25 mm	0.15 µM	221131525
CA-50+HT	20 m	0.32 mm	0.10 µM	221012032
CA-50+HT	30 m	0.25 mm	0.10 µM	221013025
CA-50+HT	30 m	0.25 mm	0.15 µM	221133025
CA-624+	105 m	0.53 mm	3.00 µM	183010553
CA-624+	15 m	0.32 mm	80 µM	181815325
CA-624+	20 m	0.18 mm	1.00 µM	18102018
CA-624+	25 m	0.20 mm	1.12 µM	18112520
CA-624+	25 m	0.53 mm	3.00 µM	18302553
CA-624+	30 m	0.25 mm	1.40 µM	18143025
CA-624+	30 m	0.32 mm	1.80 µM	18183032
CA-624+	30 m	0.32 mm	3.00 µM	18303032
CA-624+	30 m	0.53 mm	3.00 µM	18303053
CA-624+	30m	0.32 mm	0.25 µM	18023032
CA-624+	30m	0.32 mm	80 µM	181830325
CA-624+	60 m	0.25 mm	1.40 µM	18146025
CA-624+	60 m	0.32 mm	1.80 µM	18186032
CA-624+	60 m	0.53 mm	3.00 µM	18306053
CA-624+	75 m	0.53 mm	3.00 µM	18307553
CA-WAX+	10 m	0.10 mm	0.20 µM	14211010
CA-WAX+	10 m	0.53 mm	1.00 µM	14101053
CA-WAX+	100 m	0.32 mm	1.00 µM	141010032
CA-WAX+	15 m	0.25 mm	0.10 µM	14011525
CA-WAX+	15 m	0.32 mm	0.10 µM	14011532
CA-WAX+	15 m	0.20 mm	0.20 µM	14211520
CA-WAX+	15 m	0.25 mm	0.25 µM	14021525
CA-WAX+	15 m	0.32 mm	0.25 µM	14021532
CA-WAX+	15 m	0.20 mm	0.40 µM	14041520
CA-WAX+	15 m	0.20 mm	0.50 µM	14051520
CA-WAX+	15 m	0.32 mm	0.50 µM	14051532
CA-WAX+	15 m	0.53 mm	1.00 µM	14101553
CA-WAX+	15 m	0.53 mm	2.00 µM	14201553
CA-WAX+	20 m	0.10 mm	0.10 µM	14012010
CA-WAX+	20 m	0.10 mm	0.20 µM	14212010

PHASE	LENGHT	I. D.	FILM	PART NO.
CA-WAX+	25 m	0.32 mm	1.20 µM	14122532
CA-WAX+	25 m	0.53 mm	2.00 µM	14202553
CA-WAX+	30 m	0.25 mm	0.10 µM	14013025
CA-WAX+	30 m	0.32 mm	0.10 µM	14013032
CA-WAX+	30 m	0.20 mm	0.20 µM	14213020
CA-WAX+	30 m	0.25 mm	0.25 µM	14023025
CA-WAX+	30 m	0.32 mm	0.25 µM	14023032
CA-WAX+	30 m	0.53 mm	0.25 µM	14023053
CA-WAX+	30 m	0.20 mm	0.40 µM	14043020
CA-WAX+	30 m	0.25 mm	0.50 µM	14053025
CA-WAX+	30 m	0.32 mm	0.50 µM	14053032
CA-WAX+	30 m	0.53 mm	0.50 µM	14053053
CA-WAX+	30 m	0.25 mm	1.00 µM	14103025
CA-WAX+	30 m	0.53 mm	1.00 µM	14103053
CA-WAX+	30 m	0.32mm	1.20 µM	14123032
CA-WAX+	30 m	0.53 mm	1.33 µM	14173053
CA-WAX+	30 m	0.53 mm	2.00 µM	14203053
CA-WAX+	50 m	0.20 mm	0.40 µM	14045020
CA-WAX+	50 m	0.53 mm	0.50 µM	14055053
CA-WAX+	50 m	0.32 mm	1.00 µM	14105032
CA-WAX+	50 m	0.32 mm	1.20 µM	14125032
CA-WAX+	60 m	0.22 mm	0.20 µM	14216022
CA-WAX+	60 m	0.25 mm	0.10 µM	14016025
CA-WAX+	60 m	0.32 mm	0.10 µM	14016032
CA-WAX+	60 m	0.20 mm	0.20 µM	14216020
CA-WAX+	60 m	0.25 mm	0.25 µM	14026025
CA-WAX+	60 m	0.32 mm	0.25 µM	14026032
CA-WAX+	60 m	0.20 mm	0.40 µM	14046020
CA-WAX+	60 m	0.25 mm	0.50 µM	14056025
CA-WAX+	60 m	0.32 mm	0.50 µM	14056032
CA-WAX+	60 m	0.32 mm	1.00 µM	14106032
CA-WAX+	60 m	0.53 mm	1.00 µM	14106053
CA-WAX+	60 m	0.32 mm	1.20 µM	14126032
CA-WAX+	60 m	0.53 mm	2.00 µM	14206053
CA-WAX+	60 m	0.10 mm	0.10 µM	14011010
CA-WAX+ HT	10 m	0.10 mm	0.10 µM	214011010
CA-WAX+ HT	10 m	0.18 mm	0.18 µM	214091018
CA-WAX+ HT	10 m	0.32 mm	0.20 µM	214211032
CA-WAX+ HT	10 m	0.53 mm	1.00 µM	214101053
CA-WAX+ HT	15 m	0.10 mm	0.10 µM	214011510
CA-WAX+ HT	15 m	0.10 mm	0.20 µM	214211510
CA-WAX+ HT	15 m	0.20 mm	0.20 µM	214211520
CA-WAX+ HT	15 m	0.25 mm	0.25 µM	214021525
CA-WAX+ HT	15 m	0.32 mm	0.25 µM	214021532
CA-WAX+ HT	15 m	0.53 mm	1.00 µM	214101553
CA-WAX+ HT	20 m	0.10 mm	0.20 µM	214212010
CA-WAX+DB	15 m	0.25 mm	0.20 µM	314211525
CA-WAX+DB	15 m	0.53 mm	1.00 µM	314101553



FORCE
SCIENTIFIC
Science Simplified

FORCE CA+

GC CAPILLARY COLUMN

Force CA + GC Capillary Column

Request more information about Force's GC Chromatography products at www.forcescientific.com or by calling your local or regional Force Sales Office.

Headquarters

210 & 211, "THE SPACE", 2nd Floor,
Opp. Signet Plaza, Kunal Cross Road,
Gotri, Vadodara-21, Gujarat(IN)-390021

India

Vadodara, IN
Mob.: +91- 90 811 211 00
Tel: + 91-265 2984445
sales@forcescientific.com

South, IN

Mob: +91 70 433 17 567
mehul.agrawal@forcescientific.com

Dealers

North, IN
YMA Chromatography
West, IN
MS Technologies

marketing@forcescientific.com

FORCE/CA/GC/23-24/001