

Analytical Graphite Products



Alfa Aesar offers a broad selection of Carbone of America Ultra Carbon graphite analytical products, including emission spectrographic electrodes and rotodes; atomic absorption furnace tubes; and gas analysis, fusion and pyrolytic coated crucibles. Ultra Carbon originated the F graphite purification process in 1945. Today these high purity graphite products are continuously proven in laboratories throughout the world and remain the benchmark by which all others are measured.

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://aesar.nt-rt.ru/> || arj@nt-rt.ru

Counter Electrodes



Alfa Aesar offers a broad selection of Carbone of America Ultra Carbon graphite analytical products, including emission spectrographic electrodes and rotrodes; atomic absorption furnace tubes; and gas analysis, fusion and pyrolytic coated crucibles. Ultra Carbon originated the "F" graphite purification process in 1945. Today these high purity graphite products are continuously proven in laboratories throughout the world and remain the benchmark by which all others are measured.

Purity

Two levels of graphite purity are used in Ultra Carbon products:

Ultra "F" Purity 99.9995%- most stock electrodes, rods, and powders are of this purity level.

Ultra Superior Purity 99.9999%- available on request and recommended where an extremely low level blank concentration is required for low ppm and ppb determinations.

Certificates of Analysis detailing maximum allowable spot impurities, elements sought and detection levels using spectrographic analysis are available for Ultra "F" Purity and Ultra Superior Purity graphite products.

Materials

The following grades of graphite materials are used in Ultra Carbon products:

AGKSP & U-2: adaptable to a wide range of spectrographic applications. AGKSP is recommended where very high thermal conductivity, uniform porosity, and structure are principal requirements.

U-7/SPK: a high density, extruded material offering high oxidation resistance, extremely low permeability to liquids and smooth burning characteristics. Its low thermal conductivity enables a high heat concentration to be maintained in the sample zone.

UF-4S: an extruded graphite specially adaptable as a crucible material and available on special order for other applications.

YU-40: an unpurified form of extruded graphite with the same properties as UF-4S.



14754

Graphite electrode, counter-flat top, 3.05mm dia, 38.10 mm long, 99.9995% (metals basis)



14746

Graphite electrode, counter-pointed tip, 3.06mm dia, 38.10 mm long, 99.9995% (metals basis)



14751

Graphite electrode, counter-spherical tip, 6.15mm dia, 38.10 mm long, 99.9995% (metals basis)

Graphite Powders



Alfa Aesar offers a broad selection of Carbone of America Ultra Carbon graphite analytical products, including emission spectrographic electrodes and rotodes; atomic absorption furnace tubes; and gas analysis, fusion and pyrolytic coated crucibles. Ultra Carbon originated the "F" graphite purification process in 1945. Today these high purity graphite products are continuously proven in laboratories throughout the world and remain the benchmark by which all others are measured.

Purity

Two levels of graphite purity are used in Ultra Carbon products:

Ultra "F" Purity 99.9995%- most stock electrodes, rods, and powders are of this purity level.

Ultra Superior Purity 99.9999%- available on request and recommended where an extremely low level blank concentration is required for low ppm and ppb determinations.

Certificates of Analysis detailing maximum allowable spot impurities, elements sought and detection levels using spectrographic analysis are available for Ultra "F" Purity and Ultra Superior Purity graphite products.

Materials

The following grades of graphite materials are used in Ultra Carbon products:

AGKSP & U-2: adaptable to a wide range of spectrographic applications. AGKSP is recommended where very high thermal conductivity, uniform porosity, and structure are principal requirements.

U-7/SPK: a high density, extruded material offering high oxidation resistance, extremely low permeability to liquids and smooth burning characteristics. Its low thermal conductivity enables a high heat concentration to be maintained in the sample zone.

UF-4S: an extruded graphite specially adaptable as a crucible material and available on special order for other applications.

YU-40: an unpurified form of extruded graphite with the same properties as UF-4S.

Graphite Powders

The following grades of graphite powders are available:

UCP-1 Briquetting Grade: Natural graphite used primarily for briquetting purposes.

UCP-2 Conducting Grade: Synthetic graphite formulated for use in diluting powdered samples. Controls the evaporation of elements in the plasma and prevents beading effect in the arc.

UCP-1-U Universal Grade: Natural graphite that is suitable for either briquetting or as a diluent in

preparing powdered samples.

UCP-1-M Microcrystal Grade: Natural graphite for those who require extremely small particle size.

Karl Fischer reagents

[View all products >](#)



Analytical chemistry

[Accuracy, purity, quality >](#)



47287	Calcined petroleum coke powder, -20+80 mesh
47275	Calcined petroleum coke powder, crystalline, -325 mesh, 99%
10129	Graphite powder, crystalline, -325 mesh, 99%
10130	Graphite powder, microcrystalline, -325 mesh, 75-82% C, 18-25% Ash
14735	Graphite powder, natural, briquetting grade, -100 mesh, 99.9995% (metals basis)
40795	Graphite powder, natural, briquetting grade, -200 mesh, 99.9995% (metals basis)
14734	Graphite powder, natural, high purity, -200 mesh, 99.9998% (metals basis)
14736	Graphite powder, natural, microcrystal grade, APS 2-15 micron, 99.9995% (metals basis)

Crater Electrodes



Alfa Aesar offers a broad selection of Carbone of America Ultra Carbon graphite analytical products, including emission spectrographic electrodes and rotodes; atomic absorption furnace tubes; and gas analysis, fusion and pyrolytic coated crucibles. Ultra Carbon originated the "F" graphite purification process in 1945. Today these high purity graphite products are continuously proven in laboratories throughout the world and remain the benchmark by which all others are measured.

Purity

Two levels of graphite purity are used in Ultra Carbon products:

Ultra "F" Purity 99.9995%- most stock electrodes, rods, and powders are of this purity level.

Ultra Superior Purity 99.9999%- available on request and recommended where an extremely low level blank concentration is required for low ppm and ppb determinations.

Certificates of Analysis detailing maximum allowable spot impurities, elements sought and detection levels using spectrographic analysis are available for Ultra "F" Purity and Ultra Superior Purity graphite products.

Materials

The following grades of graphite materials are used in Ultra Carbon products:

AGKSP & U-2: adaptable to a wide range of spectrographic applications. AGKSP is recommended where very high thermal conductivity, uniform porosity, and structure are principal requirements.

U-7/SPK: a high density, extruded material offering high oxidation resistance, extremely low permeability to liquids and smooth burning characteristics. Its low thermal conductivity enables a high heat concentration to be maintained in the sample zone.

UF-4S: an extruded graphite specially adaptable as a crucible material and available on special order for other applications.

YU-40: an unpurified form of extruded graphite with the same properties as UF-4S.

Karl Fischer reagents

[View all products >](#)



Analytical chemistry

[Accuracy, purity, quality >](#)



40788

Graphite electrode, crater-drillpoint/undercut, 4.57mm dia, 38.10mm length, volume 0.040cc, 99.9995% (metals basis)

14743

Graphite electrode, crater-drillpoint/undercut, 6.15mm dia, 38.10mm length, volume 0.072cc, 99.9995% (metals basis)

Graphite Rods



Alfa Aesar offers a broad selection of Carbone of America Ultra Carbon graphite analytical products, including emission spectrographic electrodes and rotodes; atomic absorption furnace tubes; and gas analysis, fusion and pyrolytic coated crucibles. Ultra Carbon originated the "F" graphite purification process in 1945. Today these high purity graphite products are continuously proven in laboratories throughout the world and remain the benchmark by which all others are measured.

Purity

Two levels of graphite purity are used in Ultra Carbon products:

Ultra "F" Purity 99.9995%- most stock electrodes, rods, and powders are of this purity level.

Ultra Superior Purity 99.9999%- available on request and recommended where an extremely low level blank concentration is required for low ppm and ppb determinations.

Certificates of Analysis detailing maximum allowable spot impurities, elements sought and detection levels using spectrographic analysis are available for Ultra "F" Purity and Ultra Superior Purity graphite products.

Materials

The following grades of graphite materials are used in Ultra Carbon products:

AGKSP & U-2: adaptable to a wide range of spectrographic applications. AGKSP is recommended where very high thermal conductivity, uniform porosity, and structure are principal requirements.

U-7/SPK: a high density, extruded material offering high oxidation resistance, extremely low permeability to liquids and smooth burning characteristics. Its low thermal conductivity enables a high heat concentration to be maintained in the sample zone.

UF-4S: an extruded graphite specially adaptable as a crucible material and available on special order for other applications.

YU-40: an unpurified form of extruded graphite with the same properties as UF-4S.

Karl Fischer reagents

[View all products >](#)



Analytical chemistry

[Accuracy, purity, quality >](#)



45077	Graphite rod, 10.0mm (0.40in) dia, 99.997% (metals basis)
10134	Graphite rod, 1.27cm (0.5in) dia x 61cm (24in) long, 99% (metals basis)
43649	Graphite rod, 13cm (5.125in) dia x 30.5cm (12in) long, 99.998% (metals basis)
43647	Graphite rod, 13cm (5.125in) dia x 30.5cm (12in) long, 99% (metals basis)
10133	Graphite rod, 2.54cm (1.0in) dia x 61cm (24in) long, 99% (metals basis)
40765	Graphite rod, 3.05mm (0.12in) dia x 305mm (12in) long, 99.9995% (metals basis)
43800	Graphite rod, 3.8cm (1.5in) dia x 61cm (24in) long, 99% (metals basis)
45076	Graphite rod, 5.0mm (0.20in) dia, 99.997% (metals basis)
40766	Graphite rod, 6.15mm (0.242in) dia x 102mm (4in) long, 99.9995% (metals basis)

14738	Graphite rod, 6.15mm (0.242in) dia x 152mm (6in) long, 99.9995% (metals basis)
40767	Graphite rod, 6.15mm (0.242in) dia x 152mm (6in) long, 99.9995% (metals basis)
14739	Graphite rod, 6.15mm (0.242in) dia x 305mm (12in) long, 99.9995% (metals basis)
40768	Graphite rod, 6.15mm (0.242in) dia x 305mm (12in) long, 99.9995% (metals basis)
10135	Graphite rod, 6.3mm (0.25in) dia. x 61cm (24in) long, 99% (metals basis)
43670	Graphite rod, pyrolytic coated, 2mm (0.08in) dia x 152mm (6in) long

Fusion Crucibles



Alfa Aesar offers a broad selection of Carbone of America Ultra Carbon graphite analytical products, including emission spectrographic electrodes and rotodes; atomic absorption furnace tubes; and gas analysis, fusion and pyrolytic coated crucibles. Ultra Carbon originated the "F" graphite purification process in 1945. Today these high purity graphite products are continuously proven in laboratories throughout the world and remain the benchmark by which all others are measured.

Fusion Crucibles

For the metallurgist who requires consistency in the fusion crucible being used, Ultra Carbon continues to be the source of reliability. Crucibles are manufactured from graphite materials that provide exceptional thermal uniformity and exactness to dimensional specifications. This quality is offered in designs available for immediate shipment from stock as well as for custom manufactured designs to your specifications.

YU-40 Grade: an unpurified extruded graphite specially adaptable as a crucible material and available on special order for other applications.

Karl Fischer reagents

[View all products >](#)



Analytical chemistry

Accuracy, purity, quality >



40794 Graphite, Fusion Crucible, drillpoint, unpurified, volume 7.5cc



14747 Graphite, Fusion Crucible, drillpoint, unpurified, volume 7.88cc



43337 Graphite fusion crucible lid for stock number 14747, 3.2cm (1.25in) dia, 0.48cm (0.19in) thick



42315 Graphite fusion crucible lid for stock number 40794, 2.54cm (1.0in) dia, 6.35mm (0.25in) thick

Oil Analysis Disc (Rotrode) Electrodes



Alfa Aesar offers a broad selection of Carbone of America Ultra Carbon graphite analytical products, including emission spectrographic electrodes and rotrodes; atomic absorption furnace tubes; and gas analysis, fusion and pyrolytic coated crucibles. Ultra Carbon originated the "F" graphite purification process in 1945. Today these high purity graphite products are continuously proven in laboratories throughout the world and remain the benchmark by which all others are measured.

Purity

Two levels of graphite purity are used in Ultra Carbon products:

Ultra "F" Purity 99.9995%- most stock electrodes, rods, and powders are of this purity level.

Ultra Superior Purity 99.9999%- available on request and recommended where an extremely low level blank concentration is required for low ppm and ppb determinations.

Certificates of Analysis detailing maximum allowable spot impurities, elements sought and detection levels using spectrographic analysis are available for Ultra "F" Purity and Ultra Superior Purity graphite products.

Materials

The following grades of graphite materials are used in Ultra Carbon products:

AGKSP & U-2: adaptable to a wide range of spectrographic applications. AGKSP is recommended where very high thermal conductivity, uniform porosity, and structure are principal requirements.

U-7/SPK: a high density, extruded material offering high oxidation resistance, extremely low permeability to liquids and smooth burning characteristics. Its low thermal conductivity enables a high heat concentration to be maintained in the sample zone.

UF-4S: an extruded graphite specially adaptable as a crucible material and available on special order for other applications.

YU-40: an unpurified form of extruded graphite with the same properties as UF-4S.

Oil Analysis Disc (Rotrode) Electrodes

Ultra Carbon maintains a large inventory of standard disc and rod electrodes used in the analysis of oils. We can also supply this type of product to military specifications to customers that require this level of quality control and repeatability. Ultra Carbon continues to lead the way in providing quality and economy to those who are involved in oil analysis.

Karl Fischer reagents

[View all products >](#)



Analytical chemistry

[Accuracy, purity, quality >](#)



40792

40792 Graphite electrode, rotrode disc, 99.9995% (metals basis)

Gas Analysis Crucibles



Alfa Aesar offers a broad selection of Carbone of America Ultra Carbon graphite analytical products, including emission spectrographic electrodes and rotodes; atomic absorption furnace tubes; and gas analysis, fusion and pyrolytic coated crucibles. Ultra Carbon originated the "F" graphite purification process in 1945. Today these high purity graphite products are continuously proven in laboratories throughout the world and remain the benchmark by which all others are measured.

Gas Analysis Crucibles

The Ultra Carbon Division graphite crucibles for the analysis of gas content in metals are made from materials exclusively designed for this application. This material, along with a special post treatment of the machined crucible results in a vessel with exceptionally sensitive characteristics for analyzing gases in metals. The most popular designs are made readily available for shipment to you from stock. Special prices are offered for large volume users.

Karl Fischer reagents

[View all products >](#)



Analytical chemistry

Accuracy, purity, quality >



39811

Graphite Gas Analysis Crucible; Ht (mm), 24.5; ID (mm), 10.0; OD (mm), 12.7; Tip Dia (mm), 6.80

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://aesar.nt-rt.ru/> || arj@nt-rt.ru