



FUEGO ANTHRACITE COAL LLC



WWW.ANTHRACITECOAL.CO

WHO ARE WE?

We are a Colombian-American family business that found, in Anthracite mineral coal, a product with great physical-chemical qualities, which meet basic needs such as heating for homes, filtering material for drinking water clarification, steel forging, among others. Our company offers anthracite coal globally, meeting the different needs, in personal quantities (22 lbs box) or in bulk (tons).

OUR PRODUCT, ANTRHACITE COAL

It is considered the best quality coal, as it is low polluting, due ti its large presence of carbon up to 95%, little ash content and volatile material. Anthracite coal is black, shiny, wiht great hard ness and is extracted from the Andes Mountains in Colombia. Due to its great characteristics, it has many uses. The great characteristic of our product is its calorific value reaching 14.000 btu/lb or 7800 K/cal calories, making it more efficient and economical in use for heating. Savings up to 150% compared to gas and savings up to 500% in electricity.



"UTILIZATION"

HEATING



Its most frequent uses in domestic are to generate heating. When it is lit it gives off a beautiful blue flame, it is very useful to light bonfires and provide heating in homes, since it burns slowly and does not produce much smoke. Excellent for cabins, easy to transport.

FORGING



Excellent material for forging due to its calorific value 7848 kcal/kg, low in contamination due to its carbon quality.



FILTERS

Excellent filter medium for drinking water both domestic and industrial.

| PHYSICAL ANALYSIS | | |
|-----------------------------------|-------------------|---------------------|
| ANALYSIS | LABORATORY RESULT | RULE (ASTM) |
| Residual moisture, % mass | 0.32 | D3173/D3173M-17a |
| Ashes, % mass | 9.82 | D3174-18 e1 |
| Fixed carbon (calculated), % mass | 78.38 | D3172-13 (2021)e1 |
| Total sulfur, % mass | 1.64 | D4239-18el Metodo A |
| Heating power, Btu/Lb | 14127 | D5865/5865M-19 |

HOW TO PURCHASE

Our company is able to sell anthracite coal in different presentations.

- Currently we are available on Amazon in the USA, CANADA AND MEXICO, in personal quantities (22 lb box)

Patio, Lawn & Garden > Grills & Outdoor Cooking > Fuel & Firestarters > Charcoal Starters



amazon

Fuego Anthracite Nut Coal, Home Heating, Blacksmithing, Forge Coal, 22 Pounds, from Colombia, Industrial Coal, Winter Coal, Fuel Alternative
Brand: FUEGO Anthracite Coal
★★★★★ 4 ratings

1 Price Change

-10% \$44⁹⁵
List Price: \$49.99

FREE Returns

Coupon: ✓ 5% coupon applied to one item per order at checkout [Shop items](#) | [Terms](#)

Best price **S+**

Get \$60 off instantly: Pay \$0.00 \$44.95 upon approval for the Amazon Prime Store Card. No annual fee.

Available at a lower price from [other sellers](#) that may not offer free Prime shipping.

Local Business

Brand: FUEGO Anthracite Coal
Material: Anthracite Coal

Roll over image to zoom in



PALLETS

- We supply on pallets packed in plastic bag and cardboard box. Each box is 22 lbs.
- Terms monthly: FOB.
- Terms of payment: LC



BIG BAG

- We supply anthracite coal packed in 1 ton big-bags which are then loaded into a 22 ton container.
- Monthly shipping terms: FOB.
- Terms of payment: LC



EXPLOITATION

- Also supplied in bulk. We have an exploitation capacity of our mines of 2000 Tons/month.
- Monthly shipping terms: FOB.
- Terms of payment: LC



ADVANTAGES OF MINERAL COAL

- **IT IS INEXPENSIVE COMPARED TO OTHER ENERGY SOURCES SUCH AS OIL AND GAS.**
- **IT IS VERSATILE BECAUSE IT IS NOT ONLY DIRECTLY BURNED, BUT IT CAN ALSO BE TRANSFORMED INTO LIQUID OR GASEOUS FORM.**
- **WITH VERY LITTLE CARBON, A HUGE AMOUNT OF ENERGY CAN BE OBTAINED, WHICH SHOWS THE GREAT ENERGY POWER THAT THIS MINERAL HAS.**
- **FOR EACH KILOGRAM OF COAL IT IS POSSIBLE TO OBTAIN 2 KWH.**
- **COAL WILL NOT CAUSE ANY TYPE OF PROBLEM OR COMPLICATION ASSOCIATED WITH THE LEAK OR LEAK OF FLAMMABLE MATERIAL, BECAUSE IT DOES NOT GENERATE A LEAK, AS IT DOES WITH OIL AND GAS.**

- **Anthracite:** This is the highest ranked, hardest, oldest, and least common type of coal. It possesses a high energy content, high percentage of carbon (>85%), energy content of 25 million BTU /ton (11 1,300 BTU/lb).
- **Bituminous:** This is the second rank of coal, softer and younger than anthracite, and containing a lower percentage of carbon (45-85%) and therefore more moisture and volatiles, energy content of 24 million BTU /ton (10,900 BTU//b) in the US.
- **Sub-Bituminous:** This is the third rank of coal, possessing 35-45 carbon and more moisture than bituminous coal, energy content of 17-18 million BTU /ton (7,700-8,300 BTU/lb)
- **Lignite:** This is the softest, youngest, and wettest rank of coal, often referred to as "brown coal" with a carbon content of only 25-35% and correspondingly lower energy content., energy content of 13 million BTU /ton (5,900 BTU/lb) in the US.


Types Of Coal And Energy Content

Rank Carbon% Energy Content(Btu/lb)

- Lignite 30 5000-7000
- Sub-bituminous 40 8000-10,000
- Bituminous 50-70 11,000-15,000
- Anthracite 90 14,000

Table 7.3 RANKS OF COAL *

| Rank | Carbon (%) | Energy Content (Btu/lb) |
|---------------|------------|-------------------------|
| Lignite | 30 | 5000-7000 |
| Subbituminous | 40 | 8000-10,000 |
| Bituminous | 50-70 | 11,000-15,000 |
| Anthracite | 90 | 14,000 |



INFORME DE ANÁLISIS**N°. CDT-IA-25967**ANÁLISIS SOLICITADO POR: **ROSAS MEDINA JUAN PABLO**
DIAGONAL 77B # 116-B, BOGOTA

ORDEN DE SERVICIO N°. CDT 10854

TIPO DE MATERIAL: Carbón

FECHA Y HORA DE RECEPCIÓN DE LA MUESTRA: 08-07-22 04:06 PM

FECHA Y HORA DE ANÁLISIS: 09-07-22 01:36 PM

CÓDIGO EXTERNO: MUESTRA 1

CÓDIGO INTERNO: CDT37366

| ANÁLISIS | BASE COMO SE DETERMINA | BASE COMO SE RECIBE | BASE SECA | NORMA (ASTM) |
|--|------------------------|---------------------|-----------|-------------------------------------|
| Pérdidas por secado al aire, % en masa | 0.76 | --- | --- | D2013/D2013M-21 |
| Humedad residual, % en masa* | 0.32 | --- | --- | D3173/D3173M-17a |
| Humedad total, % en masa | --- | 1.08 | --- | D3302/D3302M-19 D3173/D3173M-17a |
| Cenizas, % en masa* | 9.82 | 9.75 | 9.86 | D3174-18 e1 |
| Materia volátil, % en masa | 11.48 | 11.39 | 11.52 | D3175-20 |
| Carbono fijo (calculado), % en masa | 78.38 | 77.78 | 78.62 | D3172-13 (2021) e1 |
| Azufre total, % en masa* | 1.64 | 1.62 | 1.64 | D4239-18e1 Método A |
| Poder calorífico, Btu/lb* | 14127 | 14020 | 14173 | D5865/D5865M-19 |
| Poder calorífico, kcal/kg* | 7848 | 7788 | 7873 | D5865/D5865M-19 |
| Poder calorífico, MJ/kg* | 32.85 | 32.60 | 32.96 | D5865/D5865M-19 |
| Índice de hinchamiento, N°.* | 0 | --- | --- | D720 / D720M - 15e1 |

Indicador de decimal punto() % equivale a g/100g de acuerdo a las Unidades del Sistema Internacional (SI).

La preparación de la muestra fue realizada según norma ASTM D2013/D2013M-21.

ASTM D3180-15 define:

Base como se determina. Resultados analíticos obtenidos después de acondicionamiento y preparación de la muestra a tamiz N° 60.

Base como se recibe. Resultados analíticos obtenidos a la condición de humedad con la que la muestra llega al laboratorio.

Base seca. Resultados sin humedad residual.

*CDT MINERAL está acreditado por el ORGANISMO NACIONAL DE ACREDITACIÓN DE COLOMBIA (ONAC) y conforme a los requerimientos de ISO/IEC- 17025:2017 para los análisis especificados en el alcance de la acreditación código 14-LAB-061 en la página web (<http://www.onac.org.co>).Sogamoso, Colombia
Julio 09 de 2022Elaboró: Nicol F. Lemus
Trigo. Química aplicada a la Industria
M.P. Registro 49703262
Auxiliar Técnico-AdministrativoRevisó: John E. Rincón
Ingeniero Geólogo
M.P.15223-433718
Jefe Técnico

Nota 1: El informe original contiene la firma y sello del laboratorio. Las consultas sobre la validez de este informe de análisis podrán ser enviadas al correo: tecnico.sogamoso@cdtmineral.com

Nota 2: Los resultados de análisis tienen validez con referencia única y exclusiva sobre la muestra que fue recibida en el laboratorio. El tipo de material ha sido referenciado por el

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CDT MINERAL - Centro de Desarrollo Tecnológico

El conocimiento
es de todos

Minciencias

