

Typical Coal Quality

primero ¹⁰/₃₀ Size 10 - 30 mm
 Origin Colombia

ca. Analysis (on as received)

Total Moisture	9,0 - 11,0 %
Ash	1,0 - 1,5 %
Volatiles	35 - 37 %
Sulphur	0,4 - 0,5 %
Chlorine	0,03 - 0,04 %
Calorific value nett	6800 - 6900 kcal/kg
Hardgrove index	48 - 49
Free swelling index	1 - 2

Ash fusion temperatures

Oxydizing atm.	F	C
Deformation	2.183° F	1.195° C
Hemispherical	2.372° F	1.300° C
Flow	2.390° F	1.310° C

ca. Ultimate analysis of coal (on dry)

Carbon	82,20%
Hydrogen	5,33%
Nitrogen	1,61%
Oxygen	9,33%

Ultimate analysis of ash (dry basis)

SiO ₂	57,20%
Al ₂ O ₃	19,80%
Fe ₂ O ₃	10,90%
CaO	3,23%
MgO	2,99%
TiO ₂	0,58%
K ₂ O	0,54%
Na ₂ O	2,51%
SO ₃	1,35%
P ₂ O ₅	0,39%
BaO	0,10%
MnO ₂	0,05%

Size 10 - 30 mm
 Size Range < 10 mm max. 5%
 > 30 mm max. 5%