

The “Ultimates” Coal CRM

Art. ID	AR-2780
Unit	50 g
Deliverydetails	No Dangerous Good /not restricted

Description

Dried basis values

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Ash		19,18	%		
	Volatile matter		29,28	%		
	Fixed Carbon (calculate d)		~51,16	%		
	Sulfur	[7704-34-9]	3,31	%		
	BTU/Lb		11377			
	Silica	[112945-52-5]	46,21	%		
	Alumina		22,8	%		
	Titania		1,13	%		
	Ferric Oxide		19,63	%		
	Calcium oxide	[1305-78-8]	2,49	%		
	Magnesium oxide	[1309-48-4]	1	%		
	Potassium Oxide		2,26	%		
	Sodium oxide	[1313-59-3]	~0,32	%		
	Sulfur trioxide	[7446-11-9]	~3,35	%		
	Phosphorus Pentoxide	[1314-56-3]	~0,31	%		
	Strontium oxide	[1314-11-0]	~0,07	%		
	Barium oxide	[1304-28-5]	~0,1	%		
	Manganese Oxide		~0,05	%		
	Undetermined (calculate d)			%		
	Carbon	[7440-44-0]	64,27	%		
	Hydrogen	[1333-74-0]	4,04	%		
	Nitrogen	[7727-37-9]	1,19	%		
	Oxygen (calculated)		~7,98	%		
	MAF/DAF BTU (calculated)		~14075			
	Pyritic		~1,34	%		
	Organic (calculated)		~0,96	%		

	Sulfate		~1,01	%
Ash Fusion Temperature (ASTM D1857) /// Degree	Initial deformation		~2100	Degrees F
s F Reducing / Degrees				Reducing
F Oxidizing				
Ash Fusion Temperature (ASTM D1857) /// Degree	Initial deformation		~2485	Degrees F
s F Reducing / Degrees				Oxidizing
F Oxidizing				
Ash Fusion Temperature (ASTM D1857) /// Degree	Softening		~2241	Degrees F
s F Reducing / Degrees				Reducing
F Oxidizing				
Ash Fusion Temperature (ASTM D1857) /// Degree	Softening		~2521	Degrees F
s F Reducing / Degrees				Oxidizing
F Oxidizing				
Ash Fusion Temperature (ASTM D1857) /// Degree	Hemispherical		~2353	Degrees F
s F Reducing / Degrees				Reducing
F Oxidizing				
Ash Fusion Temperature (ASTM D1857) /// Degree	Hemispherical		~2538	Degrees F
s F Reducing / Degrees				Oxidizing
F Oxidizing				
Ash Fusion Temperature (ASTM D1857) /// Degree	Fluid/Final		~2422	Degrees F
s F Reducing / Degrees				Reducing
F Oxidizing				
Ash Fusion Temperature (ASTM D1857) /// Degree	Fluid/Final		~2590	Degrees F
s F Reducing / Degrees				Oxidizing
F Oxidizing				
	Fluorine (F)	[7782-41-4]	~0,0097	%
	Chlorine (Cl)	[7782-50-5]	~0,121	%