

## The “Ultimates” Coal CRM

Art. ID AR-2773  
Unit 50 g  
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
LOT 731123, proximate A nalysis	Ash		7,86 ± 0,19	%		
LOT 731123, proximate A nalysis	Carbon (C)	[7440-44-0]	70,18 ± 0,48	%		
LOT 731123, proximate A nalysis	Volatile matter		39,29 ± 2,46	%		
LOT 731123, proximate A nalysis	Hydrogen (H)	[1333-74-0]	4,19 ± 0,56	%		
LOT 731123, proximate A nalysis	Fixed Carbon (calculated)		~52,85	%		
LOT 731123, proximate A nalysis	Nitrogen (N)	[7727-37-9]	0,98 ± 0,16	%		
LOT 731123, proximate A nalysis	Sulfur (S)	[7704-34-9]	0,62 ± 0,04	%		
LOT 731123, proximate A nalysis	Oxygen (calculated)		~16,17	%		
LOT 731123, proximate A nalysis	Gross Calorific Value		11829 ± 63	Btu/lb		
LOT 731123, mineral Ana lysis	Silicon (Si)	[7440-21-3]	36,46 ± 4,57	%		
LOT 731123, mineral Ana lysis	Aluminium (Al)	[7429-90-5]	15,9 ± 1,9	%		
LOT 731123, mineral Ana lysis	Titanium (Ti)	[7440-32-6]	1,4 ± 0,18	%		
LOT 731123, mineral Ana lysis	Ferric Oxide		6,59 ± 0,72	%		
LOT 731123, mineral Ana lysis	CaO		17,07 ± 1,81	%		
LOT 731123, mineral Ana lysis	MgO	[1309-48-4]	3,57 ± 0,49	%		
LOT 731123, mineral Ana	K <sub>2</sub> O		0,51 ± 0,11	%		

lysis				
LOT 731123, mineral Ana	NaO		0,66 ± 0,1	%
lysis				
LOT 731123, mineral Ana	SO3		~15,96	%
lysis				
LOT 731123, mineral Ana	P2O5		0,67 ± 0,05	%
lysis				
LOT 731123, mineral Ana	SrO		~0,32	%
lysis				
LOT 731123, mineral Ana	BaO		0,47 ± 0,04	%
lysis				
LOT 731123, mineral Ana	Manganese (Mn)	[7439-96-5]	~0,02	%
lysis				
LOT 731123, sulfur form	Pyritic		~0,05	%
s				
LOT 731123, sulfur form	Organic (calculated)		~0,45	%
s				
LOT 731123, sulfur form	Sulfate		~0,12	%
s				
LOT 731123, ash fusion	Initial deformation		~2133	F
temperature, reducing				
LOT 731123, ash fusion	Initial deformation		~2230	F
temperature, oxidizing				
LOT 731123, ash fusion	Softening		~2202	F
temperature, reducing				
LOT 731123, ash fusion	Softening		~2251	F
temperature, oxidizing				
LOT 731123, ash fusion	Hemispherical		~2226	F
temperature, reducing				
LOT 731123, ash fusion	Hemispherical		~2269	F
temperature, oxidizing				
LOT 731123, ash fusion	Fluid/Final		~2340	F
temperature, reducing				
LOT 731123, ash fusion	Fluid/Final		~2355	F
temperature, oxidizing				
	Chlorine (Cl)	[7782-50-5]	~0,0257	%
	Fluorine (F)	[7782-41-4]	~0,0056	%