

Ultimate Anthracite Coal CRM

Art. ID AR-2783
Unit 50 g
Deliverydetails No Dangerous Good /not restricted

Description LOT 783320

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Proximate Analysis	Ash		20,97 ± 0,2	%	ASTM D3174 /D7582	
Proximate Analysis	Volatile matter		7,01 ± 1,42	%	ASTM D3175 /D7582	
Proximate Analysis	Fixed Carbon (calculated)		~72,02	%	ASTM D3172	
Proximate Analysis	Sulfur (S)	[7704-34-9]	0,54 ± 0,04	%	ASTM D4239	
Proximate Analysis	BTU/Lb		11336 ± 129		ASTM D5865	
Ultimate Analysis	Carbon (C)	[7440-44-0]	72,32 ± 1,04	%	ASTM D5373	
Ultimate Analysis	Hydrogen (H)	[1333-74-0]	2,03 ± 0,28	%	ASTM D5373	
Ultimate Analysis	Nitrogen (N)	[7727-37-9]	0,90 ± 0,16	%	ASTM D5373	
Ultimate Analysis	Oxygen (calculated)		~3,24	%	ASTM D3176	
Ultimate Analysis	MAF/DAF BTU (calculated)		~14349		ASTM D3180	
Mineral Analysis	Silicon (Si)	[7440-21-3]	57,49 ± 6,62	%	ASTM D4326 /D6349	
Mineral Analysis	Aluminium (Al)	[7429-90-5]	28,41 ± 2,99	%	ASTM D4326 /D6349	
Mineral Analysis	Titanium (Ti)	[7440-32-6]	1,98 ± 0,12	%	ASTM D4326 /D6349	
Mineral Analysis	FeO		5,30 ± 0,49	%	ASTM D4326 /D6349	
Mineral Analysis	CaO		0,45 ± 0,05	%	ASTM D4326 /D6349	
Mineral Analysis	MgO	[1309-48-4]	0,70 ± 0,04	%	ASTM D4326 /D6349	
Mineral Analysis	K ₂ O		~3,39	%	ASTM D4326 /D6349	
Mineral Analysis	NaO		~0,43	%	ASTM D4326	

					/D6349
Mineral Analysis	SO3		0,27 ± 0,11	%	ASTM D4326
					/D6349
Mineral Analysis	P2O5		~0,19	%	ASTM D4326
					/D6349
Mineral Analysis	SrO		~0,03	%	ASTM D4326
					/D6349
Mineral Analysis	BaO		~0,14	%	ASTM D4326
					/D6349
Mineral Analysis	MnO		~0,03	%	ASTM D4326
					/D6349
Mineral Analysis	Undetermined (calculate d)		~1,16	%	ASTM D4326
					/D6349
	Chlorine (Cl)	[7782-50-5]	~0,0224	%	
	Fluorine (F)	[7782-41-4]	~0,0097	%	
Sulfur Forms	Pyritic		~0,06	%	ASTM D2492
Sulfur Forms	Sulfate		~0,05	%	ASTM D2492