LOSI: SPECIALIZED PROGRAMS

SPECIALIZED PROGRAMS FOR MONITORING AND CONTROLLING LAB PROCESSES

LQSi offers a wide range of monthly and bi-monthly minerals proficiency testing programs (PTPs) including:

ENERGY MINERALS

- High rank coal, 2.36 mm (8 mesh) and 212 μm (65 mesh)
- Low rank coal, 2.36 mm (8 mesh) and 212 μm (65 mesh)
- Mineral analysis of coal ash
- Ash fusion temperature
- Trace elements
- Hardgrove grindability index of coal (HGI)
- Rheological and petrographic properties of coal
- Petroleum coke
- Petroleum coke HGI
- Biomass fuels

IRON AND STEEL MINERALS

- Iron ore
- Manganese ore
- Chromite
- Metallurgical coke
- CSR / CRI
- Tumbler test

GEOCHEMICAL EXPLORATION

Gold ore



NON-FERROUS CONCENTRATES

- Copper ore
- Lead ore
- Nickel ore
- Zinc ore

INDUSTRIAL MINERALS

- Bauxite
- Cement / cement clinker
- Limestone

FERTILIZERS

- Potash
- Phosphate
- Urea





EASY-TO-READ AND EASY-TO-UNDERSTAND REPORTS

- LQSi PTP reports focus on the current-round performance and the historical performance over the last twelve rounds, providing tabular and graphical summaries and presentations of laboratory performance.
- Single-page, specialized management reports allow managers with responsibility for multiple laboratories to obtain a quick view of all of their laboratories' performance at a single glance.
- Detailed parameter reports provide performance measures, repeatability and reproducibility, distributions, and runs chart.

STATISTICAL SUMMARY 8H0049: High Rank Coal - 60 Mesh Sample ID: 1				Customer No: 000000 SAMPLE COMPANY Coal Laboratory					Issued Date: 10/20/00 mm/dd/yy				
							.3 .2		₹ +1 +2	-3			
		LAB VALUE		% Rel	Standard P	Precision	111		NI	GRO	GROUP VALUE		
PARAMETER	Unit	Mean	SD	Diff	Score	Ratio		/		Mean	SD	n	
Moisture, 60 Mesh (*)	% by wt	2.91	0.028	1.04	0.19	0.62		E	9	2.88	0.149	61	
Ash (")	% by wt	9.06	0.014	0.00	0.02	0.29	1			9.06	0.116	63	
/olatile (*)	% by wt	35.90	0.007	0.16	0.10	0.06	1			35.84	0.560	56	
Sulfur (*)	% by wt	1.155	0.0042	1.40	0.43	0.28	1		±>	1.139	0.0382	59	
Calorific Value, As Rec'd (**)	BTUID	12862	0.7	0.07	0.23	0.06	1		\$	12852	41.0	54	
Calorific Value, Dry (*)	BTUIb	13247	4.2	0.07	0.18	0.38]	C	•	13237	55.5	54	
Free Swelling Index (**)	Index	1.5	0.00	0.00	0.03	0.00		5	右	1.5	0.41	23	
Carbon (**)	% by wt	74.29	0.014	-0.77	-0.84	0.14		¢		74.87	0.689	9	
Hydrogen, H (**)	% by wt	4.93	0.014	-1.00	-0.41	0.52		L Da	\Rightarrow	4.98	0.110	9	
Nitrogen, N (**)	% by wt	1.75	0.014	5.42	0.87	0.50		0		1.66	0.103	13	
Chlorine, Cl (**)	% by wt	0.029	0.0000	31.81	1.23	0.00			P	0.022	0.0057	12	
Sulfur, Pyritic (**)	% by wt	0.231	0.0014	-5.32	-0.30	0.21		13		0.244	0.0445	6	
Sulfur, Sulfate (**)	% by wt	880.0	0.0014	-10.20	-0.21	0.35			ф	0.098	0.0472	7	
Fluorine, F (**)	ppm	68	3.5	-23.59	-0.76	0.80		Ø	⊅	89	28.6	5	
Mercury (**)	ppm	0.07	0.000	-12.50	-1,12	0.00		0	中	0.08	0.010	3	
Sodium Oxide, Na ₂ O (**)	% by wt								P	0.67	0.250	7	
Parameler Grouping Symbols. (*) - Dry Proxima	te (**) - Other	Laborat	ory Qu	ality Se	nvices	Intern:	ationa					

CONTACT INFORMATION

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