

IFPEN-310 000 REFERENCE VALUES

Using the Bulk Rock method – Total Sulfur cycle

	S1	S2	Tmax	S3	S3CO	S4CO ₂	S4CO	HI	OI	PC	RC	TOC	MINC ^{*3}	Total C
	mg HC/g rock		°C	mg CO ₂ /g rock	mg CO/g rock	mg CO ₂ /g rock	mg CO/g rock	mg HC/g TOC	mg CO ₂ /g TOC	wt.%				
Average value	13	498	410	3.4	3.3	255	57	956	7	42.6	9.4	52.0	0.4	52.4
Confidence interval^{*1}	± 2	± 17	± 3	± 1.0	± 0.4	± 8	± 4	± 14	± 2	± 1.5	± 0.7	± 1.4	± 0.1	± 1.4
Confidence interval^{*2}	± 2	± 12	± 2	± 0.7	± 0.3	± 6	± 3	± 10	± 2	± 1.0	± 0.5	± 1.0	± 0.1	± 1.0

	Pyro Tot S	Oxi Tot S	Total S
	wt.%		
Average value	11.7	1.4	13.1
Confidence interval^{*1}	± 0.7	± 0.5	± 0.9
Confidence interval^{*2}	± 0.5	± 0.4	± 0.6

The reference values were calculated from analytical data derived from 6 series of 5 repetitions gathered over a 5-month period on a single Rock-Eva® 7S instrument, using the Bulk Rock method - Total Sulfur cycle.

The confidence interval is expressed as a 95% confidence interval.

*1 Confidence interval for a single analysis = standard deviation of reproducibility x 2

*2 Confidence interval for a duplicate = standard deviation of reproducibility x √2

*3 The MinC value corresponds to organic carbon for this material, which does not contain any carbonates.

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