

IFPEN-400 000 REFERENCE VALUES

Using the Bulk Rock method – Basic cycle

	S1	S2	Tmax	S3	S3CO	S4CO ₂	S4CO	S5	HI	OI	PC	RC	TOC	MINC	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 CO ₂ /g rock	mg HC/g TOC	mg CO ₂ /g TOC	wt.%				
Average value	1.3	30.7	423	1.7	0.94	73	14.8	0.05	570	31	2.8	2.6	5.4	0.09	5.5
Confidence interval¹	± 0.2	± 1.7	± 3	± 0.2	± 0.05	± 3	± 0.7	± 0.07	± 18	± 3	± 0.2	± 0.1	± 0.2	± 0.02	± 0.2
Confidence interval²	± 0.2	± 1.2	± 2	± 0.2	± 0.04	± 3	± 0.5	± 0.05	± 13	± 2	± 0.1	± 0.1	± 0.2	± 0.01	± 0.2

	Pyro Tot S	Oxi Tot S	Total S ³
	wt.%		
Average value	0.65	0.64	1.29
Confidence interval¹	± 0.04	± 0.04	± 0.05
Confidence interval²	± 0.03	± 0.03	± 0.04

The reference values were calculated from analytical data derived from 8 series of 5 repetitions, except for Oxi Tot S and Total S, which are derived from 3 series of 5 repetitions. All the data were collected over a 3-month period on a single Rock-Eval® 7S instrument, using the Bulk Rock method - Basic 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 Total S quantified with the Basic cycle is a partial concentration because the maximum oxidation temperature is not high enough to decompose the sulfates.

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