

Table S1. Data results obtained by light reflectance including: ulminite, macerals, and main mineral composition of the coal sample.

PARAMETER	RESULT
R_r (%) REFLECTION OF ULMINITE	0.30%
σ – aberration from standard	0.07
n – number of measured points	55
HUMINITE (vol.%)	16.5
Textinite	0.0
Ulminite	12.7
Attrinite	0.0
Densinite	2.1
Corpohuminite	1.1
Gelinite	0.6
LIPTINITE (vol.%)	11.8
Sporinite	2.1
Cutinite	0.8
Alginite	3.4
Resinite	1.3
Liptodetrinite	2.5
Bituminite	1.7
INERTINITE (vol.%)	2.5
Fusinite	0.0
Semifusinite	0.2
Funginite	1.3
Macrinite	0.6
Inertodetrinite	0.4
BONE (vol.%)	62.4
MINERALS (vol.%)	6.8
Clay minerals	2.1
Pyrite	3.4
Others	1.3