

Sample ID and provenance

Sample ID: SP31_FZF

Outcrop: Foz dos fornos

Lithology: Chert

Unit/facies: Lower Jurassic

Collection: LusoLit

Thinsection: No

Macroscopic description

❖ COLOR

Color distribution is Mix diffuse. The colors are Light reddish brown (2.5YR 7/4), Pink (2.5YR 8/3), White (2.5YR 8/1) and Reddish brown (2.5YR 4/3).

❖ FABRIC

The luster is Shiny and the translucency is Opaque. The feel is Smooth and the grain is Fine. The distribution is Uneven with a Gradual variation. Patterns are Shaded, Spots (50-99%) and Lines (1-49%). Spots are Splotched and Speckling with an Uneven distribution. Lines are Horizontal Finely laminated.

❖ INCLUSIONS AND FOSSIL CONTENT

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❖ CORTEX

The cortex is from an Outcrop with a Gradual transition. When tested with dilute hydrochloric acid (HCL 10%), the reaction was Strong. The parent rock may be a Limestone.

❖ QUALITY

The fracture is Conchoidal and the surface is Homogeneous. The knapping quality is Good.

❖ OBSERVATION

The sample is a very small nodule incased within a larger block of coarser silicified chert.

Outcrop description

❖ OUTCROP CHARACTERISTICS

Type of outcrop: Secondary

Visibility: Good

Accessibility: Easy

State of site: Good

❖ CHERT NODULES/BEDS DESCRIPTION

Type of chert nodule: Nodule

Sample variability: Variable

Frequency: Abundant

Nodule description: -

❖ SHORT DESCRIPTION

The outcrop is located on the cliff with easy access. The nodules are abundant and easily visible, above where the outcrops are. Loose chunks of chert can be found around where the vegetation traps them or where the inclination is not as steep.

Macroscopic photos









