

Sample ID and provenance

Sample ID: SP8_PdA

Lithology: Chert

Collection: LusoLit

Outcrop: Ponta dos Altos

Unit/facies: Lower Jurassic

Thinsection: No

Macroscopic description

❖ COLOR

The color distribution is Mix sharp. The colors are Very pale brown (10YR 8/3), Light reddish gray (2.5YR 7/1) and Red (10R 4/6).

❖ FABRIC

The luster is Dull and the translucency is Opaque. The feel is Semi-smooth and the grain is Fine. The distribution is Uneven, with an Abrupt variation. The patterns are Spots (50-99%). These are Broad mottling, Splotched and Speckling, with an Uneven distribution.

❖ 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 weak. The parent rock may be a dolomite or dolomitic limestone.

❖ QUALITY

The fracture is Conchoidal and Uneven and the surface has fractures. The knapping quality is Low.

❖ OBSERVATION

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Outcrop description

❖ OUTCROP CHARACTERISTICS

Type of outcrop: Primary

Visibility: Bad

Accessibility: Moderate

State of site: Good

❖ CHERT NODULES/BEDS DESCRIPTION

Type of chert nodule: Nodule

Sample variability: Variable

Frequency: Sporadic

Nodule description: Full of fractures and brittle. Size ranges between ~5cm to 20cm, with elongated shapes.

❖ SHORT DESCRIPTION

The chert can be found embedded in the parent rock. The chert outcrops near the edge of the cliff, at the top. The nodules are oval to irregular, between 5 to 20cm. The nodules have thick cortex but are difficult to remove from the parent rock.

Macroscopic photos







