

Sample ID and provenance

Sample ID: SP66_MALH

Outcrop: Malhão

Lithology: Chert

Unit/facies: Middle Jurassic

Collection: LusoLit

Thinsection: No

Macroscopic description

❖ COLOR

The color distribution is Mix diffuse. The colors are Pinkish gray (7.5YR 6/2), Pale red purple (5RP 6/2), Very pale brown (10YR 7/4) and White.

❖ FABRIC

The luster ranges from Dull to Medium and the translucency from Opaque to Sub-translucent. The feel is Smooth and the grain is Fine. The structure is Uneven with a Gradual variation. The patterns are Shaded, Spots (1-49%) and Lines (1-49%). The spots are Spotted, Splotched and Speckling with an Uneven distribution. The lines are Horizontal Laminated.

❖ INCLUSIONS AND FOSSIL CONTENT

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❖ CORTEX

The cortex is from an Outcrop albeit with a rolled appearance. It ranges from Thin to Thick, with a Gradual transition. This transition is marked by a change in the fabric of the chert, although the white colors of the cortex and the outer layer of the chert mix and make it difficult to understand the chert/cortex limits. When tested with dilute hydrochloric acid (HCL 10%), the reaction was Strong, although only in some localized areas. The parent rock may be a Limestone.

❖ QUALITY

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

❖ OBSERVATIONS

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Outcrop description

❖ OUTCROP CHARACTERISTICS

Type of outcrop: Primary

Visibility: Good

Accessibility: Easy

State of site: Bad

❖ CHERT NODULES/BEDS DESCRIPTION

Type of chert nodule: Nodule

Sample variability: Homogeneous

Frequency: Sporadic

Nodule description: Nodules are irregular, around 5cm width.

❖ SHORT DESCRIPTION

The nodules can be found in parent rock chunks, displaced from the main parent rock but near them. The outcrop is in dismantlement, within unoccupied and uncultivated terrains. The nodules are sporadic, irregular and around 5cm.

Macroscopic photos















