

Sample ID and provenance

Sample ID: SP29_ASP

Lithology: Chert

Collection: LusoLit

Outcrop: Cabo S. Vicente (Aspa)

Unit/facies: Lower Jurassic

Thinsection: No

Macroscopic description

❖ COLOR

The color distribution is Mix diffuse. The colors are Light gray (2.5Y 7/1) and Weak red (10R 5/4).

❖ FABRIC

The luster is Medium and the translucency is Sub-translucent. The feel is Smooth and the grain is Fine. The structure distribution is Uneven with a Gradual variation. The patterns are Spots (1-49%) and Lines (1-49%). The spots are Speckling with an Even distribution. The lines are Concentric Laminated.

❖ INCLUSIONS AND FOSSIL CONTENT

-

❖ CORTEX

Cortex is from an Outcrop, ranging from Medium to Thick and with a Gradual transition. When tested with dilute hydrochloric acid (HCL 10%), there was no reaction. The parent rock may be a dolomite.

❖ QUALITY

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

❖ OBSERVATION

The weak red laminated line is created as it seems to be the outer color of the nodule, closer to the cortex, while the interior of the nodule is grey (and either naturally yellow or patinated yellow).

Outcrop description

❖ OUTCROP CHARACTERISTICS

Type of outcrop: Secondary

Visibility: Good

Accessibility: Easy

State of site: Medium

❖ CHERT NODULES/BEDS DESCRIPTION

Type of chert nodule: Nodule

Sample variability: Variable

Frequency: Abundant

Nodule description: -

❖ SHORT DESCRIPTION

Chert can be found in chunks down a gentle slope a short distance from the cliffs. These are abundant, albeit altered and small.

Macroscopic photos







