

## Sample ID and provenance

Sample ID: SP19\_PBX

Outcrop: Praia de Belixe

Lithology: Chert

Unit/facies: Lower Jurassic

Collection: LusoLit

Thinsection: No

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## Macroscopic description

### ❖ COLOR

The color distribution is a combination of Mix sharp and Mix diffuse. The colors are Pale red (10R 7/2), White (10R 8/1), Weak red (10R 4/2) and Light yellowish brown (2.5Y 6/4).

### ❖ 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 a Gradual and Abrupt variation. The patterns are Shaded, Spots (50-99%) and Lines (50-99%). The spots are Marbled mottling and Speckling with Even distribution. Lines are Concentric Banded and Laminated.

### ❖ INCLUSIONS AND FOSSIL CONTENT

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### ❖ CORTEX

The cortex type is Outcrop. It is Thin and with a Sharp transition. In the sample, some parts connect directly to the parent rock without an alteration layer between the chert and the dolomite. When tested with dilute hydrochloric acid (HCL 10%), the reaction was Weak. The parent rock may be a dolomite.

### ❖ QUALITY

The fracture is Conchoidal and there seem to be internal fractures and Cleavage plains. The knapping quality is Medium.

### ❖ OBSERVATIONS

## Outcrop description

### ❖ OUTCROP CHARACTERISTICS

**Type of outcrop:** Primary

**Visibility:** Reasonable

**Accessibility:** Moderate

**State of site:** Medium

### ❖ CHERT NODULES/BEDS DESCRIPTION

**Type of chert nodule:** Nodule

**Sample variability:** Variable

**Frequency:** Rare

**Nodule description:** Oval to irregular, between 5 to 20cm

### ❖ SHORT DESCRIPTION

The chert nodules can be found embedded in the parent rock, at the top of the cliff, in a secluded area from the rest of the Belixe outcrops. The chert nodules are oval or irregular, and can be as wide as 20 cm. Unlike the other Belixe outcrops, the accessibility is moderate.

Macroscopic photos

































