

## Sample ID and provenance

Sample ID: SP16\_PBX

Lithology: Chert

Collection: LusoLit

Outcrop: Praia de Belixe

Unit/facies: Lower Jurassic

Thinsection: No

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## Macroscopic description

### ❖ COLOR

The color distribution is Mix diffuse. The colors are Pale red purple (5RP 6/2), Grayish red (5R 4/2) and White (10YR 8/1).

### ❖ FABRIC

The luster is Dull and the translucency is Opaque. The feel is Semi-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%). Spots are 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, Thin and with a Gradual to Sharp transition, depending on the areas of the nodule. 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 there are Fractures and Cleavage plains. The knapping quality is Medium.

### ❖ OBSERVATION

There are concentrations of patination, characterized by a bright orange to light yellow coloration. There are also potlid-like marks, which may be related to the proximity to the coastline or to sunlight heat.

## Outcrop description

### ❖ OUTCROP CHARACTERISTICS

**Type of outcrop:** Primary

**Visibility:** Good

**Accessibility:** Easy

**State of site:** Good

### ❖ CHERT NODULES/BEDS DESCRIPTION

**Type of chert nodule:** Nodule

**Sample variability:** Homogeneous

**Frequency:** Abundant

**Nodule description:** Oval, around 3cm

### ❖ SHORT DESCRIPTION

The chert nodules are oval and small, embedded in the cliff walls. Albeit abundant, many of the nodules show different degrees of dolomitization.

Macroscopic photos













