

## Sample ID and provenance

Sample ID: SP37\_PtA

Outcrop: Ponta da Atalaia

Lithology: Chert

Unit/facies: N/A

Collection: LusoLit

Thinsection: No

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## Macroscopic description

### ❖ COLOR

The color distribution is Mix sharp. The colors are Brownish gray (5YR 4/1), Light brownish gray (5YR 6/1) and Pinkish gray (5YR 8/1).

### ❖ FABRIC

The luster is Dull to Medium and the translucency ranges from Opaque to Translucent. The feel ranges from Rough to Semi-smooth and the grain is Fine, albeit Medium on the cortex areas. The structure is Uneven with an Abrupt variation. The patterns are Spots (50-99%), which are Broad mottling with an Uneven distribution.

### ❖ INCLUSIONS AND FOSSIL CONTENT

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### ❖ CORTEX

The cortex is of Outcrop type. It ranges from Thin to Thick and it has an Abrupt 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. Due to the large inclusions however, the knapping quality is Medium.

### ❖ OBSERVATION

The "usable" chert area is small within the nodule. There are thick, coarse cortex areas, and within the chert there are coarse inclusions which alter the Homogeneity of the fabric.

## Outcrop description

### ❖ OUTCROP CHARACTERISTICS

**Type of outcrop:** Secondary

**Visibility:** Good

**Accessibility:** Easy

**State of site:** Bad

### ❖ CHERT NODULES/BEDS DESCRIPTION

**Type of chert nodule:** Nodule

**Sample variability:** Variable

**Frequency:** Abundant

**Nodule description:** Small and fractured, fully patinated outside.

### ❖ SHORT DESCRIPTION

The chert can be found in small chunks, without parent rock, and fully patinated. They are scattered on the floor at the top of the cliff by the sea. The primary outcrop seems to outcrop on the sides of the cliff, where access is nearly impossible.

Macroscopic photos











