Sample ID and provenance

Sample ID: SP17_PBX

Lithology: Chert

Collection: LusoLit

Outcrop: Praia de Belixe

Unit/facies: Lower Jurassic

Thinsection: No

Macroscopic description

- COLOR

The color distribution is Mix diffuse. The colors are Pale red (10R 7/2), Very pale brown (10YR 8/2) and White (10YR 8/1).

- FABRIC

The luster is Dull and the translucency is Opaque. The feel is Rough and the grain is Fine. The structure is Uneven with a Gradual variation. The patterns are Shaded, Spots (50-99%) and Lines (1-49%). The spots are Speckling with an Even distribution. The lines are Horizontal Laminated.

- INCLUSIONS AND FOSSIL CONTENT

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- CORTEX

The cortex is Thin and with a Gradual transition. The dolomitization of the chert makes it difficult to differentiate properly from the dolomite. When tested with dilute hydrochloric acid (HCL 10%), the reaction was inexistent. This may be due to the small amount of Dolomite in the sample.

- QUALITY

The fracture type is Conchoidal and Uneven, and the surface has Cleavage plains. The knapping quality is Low.

- OBSERVATION

This sample is dolomitized, and provides poor raw material. The presence of dolomitized chert nodules is frequent, and their dolomitized appearance is obvious in the nodules without the need for testing.

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: Variable

Frequency: Abundant

Nodule description: Oval, between 5 to 15cm

- SHORT DESCRIPTION

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

Macroscopic photos