

**Ultrasonic Cleaning Procedure Form**

Ceramic Fragment Information

Archaeological site:	Cova del Tabac
Archaeological unit:	R0
Inventory number:	1234

Technological Features

Part of the vase:	Non-diagnostic sherd
Decoration:	No visible decoration
Surface treatments (internal and external):	External polishing, internal levelling
Ceramic paste:	Quartz and very abundant biotite, ranging from 0.1 to 4 mm
Ceramic firing:	Mixed firing (oxidized exterior and reduced interior)
Use-wear traces:	No visible traces of use-wear
Other observations:	

Preliminary taphonomic characterization

Taphonomic observations:	General good state of preservation of the piece. Severe calcareous concretions on the inner surface of the ceramic fragment.
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Previous photographic documentation of the piece:

FRONT VIEW	REAR VIEW
	

Previous microscopic documentation of the piece:

	Severe calcareous concretions on the inner surface of the ceramic fragment (magnification 71.8x).
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Procedure Documentation

Distilled water:	Distilled water with low conductivity (0.1 $\mu$ S/cm)
Neutral detergent:	Liquid DERQUIM LM 02 detergent without phosphates, neutral pH
Solution concentration:	5% (40 mL of detergent and 750 mL of distilled water)
Water temperature:	40°C
Cleaning time:	15 minutes
Ultrasound frequency:	40 kHz
Placement of the sherd:	Sherd placed inside a glass container and enclosed in a zip-lock plastic bag

Post-Cleaning Assessment

Taphonomic observations:	Calcareous concretions have been completely removed from the inner surface except in a very small area (less than 9 mm <sup>2</sup> ). A small new crack has appeared on the external surface.
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Final photographic documentation of the piece:

FRONT	BACK
	

Final microscopic documentation of the piece:



Calcareous concretions have been completely removed from the inner ceramic surface (magnification 71.8x).

A small new crack has appeared on the external surface (magnification 69,5x).