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**CERTIFICATE OF ANALYSIS**  
**UNIVERSITY OF STUDIES OF**  
**ROMA "LA SAPIENZA"**



**DEPARTMENT OF CHEMICAL ENGINEERING,**  
**OF THE MATERIALS, OF THE RAW**  
**SUBSTANCES AND METALLURY**

## CERTIFICATE OF ANALYSIS N. 10

**Applying :** Vosges

**Date of the request :** March 30, 1993.

**Material delivered :**

“Tonic accelerator NEW ARA” device, to that of the manufacturer, able to eliminate the drawbacks of deposits of calcium carbonate in pipes or equipments crossing by flowing water.

**Object of the request :**

Check the crystallographic nature of any limestone deposits in a distiller powered flowing water subjected upstream from magnetic field by of the accelerator NEW ARA.

Premise

The ionic accelerator NEW ARA consist in a cylinder of stainless steel with a diamater of 50 mm and length of 95 mm inside of which there are permanent magnets, was inserted upstream of a distillation apparatus of the OCRAS-ZAMBELLI capable of producing 5 liters per hour of distilled water.

This distiller was operated for about 30 hours, then disassembled in order to recover to internal of the same, the limestone deposit formed during the operation of distillation.

Results of the determinations

The limestone deposit present in aqueous suspension to internal the distiller was recovered after filtration, dried in a oven at 110°C, and then subjected to analysis after grinding and diffrattometric homogenization to R.X. (radiation kx copper).

The analysis of the diffrattometric, shows that the limestone precipitate recovered from the distiller consists in ARAGONITE.

Prof. Fausto Pochetti

Roma, April 22, 1993