



Course Units

Argilas Curativas : aspectos industriais **Healing minerals : industrial aspects**

Contents

Mineralogical composition (XRD, SEM). Chemical composition (XRF, AAS, SEM-EDAX). Grain size distribution by X-ray absorption (Sedigraph). Maturation. Certification and normalization. Quality control. Prototype maturation plant. Microalgae development during maturation and physiologic effect of thermal muds.

Learning outcomes

With this course the student becomes familiar with technological properties that clay minerals must possess for use in Health and welfare; clays for pharmaceutical purposes (in the form of active principle or excipient), and for implementation in the aesthetic medicine (in the form of excipient or active principle); minerals used as Abrasives/Exfoliating.

Horary

2TP+2P per week (total 56 h)

Teachers

Fernando Rocha, Eduardo Silva, Ana Quintela

ECTS delivered

6 ECTS

Evaluation

50% written exam; 50% exercises