



Chemical, physical, microbiological and in-vivo studies of raw materials and ingredients for pharmaceutical and cosmetic products.



## Physical & Chemical Assays

- QC of raw matter
- QC of finished products
- Analytical method validation
- Analytical method development
- Validation of dissolution profiles
- Dissolution test
- Uniformity of dosage units
- Organic volatile impurities
- Residual solvents
- Identification by infrared absorption
- heavy metals
- Titration in non-aqueous medium
- Karl Fisher
- Aerosols testing
- Gluten determination

## Animal Research Area/In Vivo Assays

- Eye & dermal irritation
- Skin sensitization
- Acute toxicity

## Instrumental

- Gas chromatography detectors:  
FID - PID - MS - FPD - ECD - NPD
- Liquid chromatography (HPLC). Detectors:  
UV/Fluorescence - DAD
- Spectrophotometry UV / Vis
- Atomic absorption - Graphite furnace/  
Hydrides generator
- Flame photometry
- Ionic chromatography
- Dissolution test apparatus
- Karl Fisher
- Automatic titrator
- FTIR

Analysis methodologies according to  
USP-EP-OECD-BP-FNA

## Microbiological Assays

- Personal hygiene and cosmetics IRAM 25536:2003
- Pharmaceutical products  
Harmonised USP/EP and local legislation
- Latex condoms IRAM 113067-7:2003
- Bioburden
- Sterility test
- Challenge test
- Microbial assay in antibiotics - Cylinder plate method
- Suitability and validation test in antibiotics

**OAA** ✓

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