



Tabela de Preços / Price Table (Válida a partir de:/Valid after: 01/Fev-Feb/2019)

Análises - Técnicas / Analyses - Techniques	Preço / € Price	Observações Comments
Identificação e/ou quantificação de compostos <i>Identification and/or quantification of compounds</i>		
Gas Chromatography (GC)	55-110	<i>1 sample</i>
Mass Spectrometry / Gas Chromatography (GC/MS)	55-110	<i>Prices for qualitative analysis.</i>
High Performance Liquid Chromatography (HPLC)	45-90	<i>Sample preparation, development of methods and quantification require quotation.</i>
Fourier-Transform Infrared Spectroscopy (FTIR) <i>MID-IR e NIR-IR regions</i> <i>Recorded in transmittance or reflectance (ATR/NIRA)</i>	2.5	<i>1 sample/ each 16 scans</i> <i>Considered unit: a spectrum collected with 4.0 cm⁻¹ spectral resolution and 16 scans.</i> <i>For a spectrum of the sample in KBr pellets, the price plus 2€ per sample. This value includes a replicate.</i>
Ultraviolet-Visible Spectrophotometry (UV-Vis)	2	<i>1 sample</i> <i>Spectrum collected between 200-800 nm</i> <i>Sample preparation and quantification (calibrations) require quotation.</i>
Microplate Reader <i>System for 6- to 384-well microplates</i> <i>Performance for UV-Vis absorbance, fluorescence and luminescence</i>	*	<i>Requires quotation</i>
Elemental Analysis (EA) <i>CNHS or O analysis</i>	45	<i>1 sample with 2 replicates</i>
Karl Fischer	20	<i>1 sample with 2 replicates</i>
Identificação e quantificação de iões <i>Identification and quantification of ions</i>		
Flame/Graphite Atomic Absorption Spectroscopy (metallic ions) (AA)	30	<i>1 sample/ ion</i> <i>The result is given with 8 readings (values).</i>
Ionic Chromatography (anions and cations)	45-90	<i>1 sample with 2 replicates</i> <i>Sample preparation and development of methods require quotation.</i>
Análise ambiental <i>Environmental analysis</i>		
Total Organic Carbon (TOC)	*	<i>Requires quotation</i>
Chemical Oxygen Demand (CQO)	*	<i>Requires quotation</i>
Method Kjeldhal <i>Method for the quantitative determination of nitrogen</i>	*	<i>Requires quotation</i>
Tamanho da partícula <i>Particle Size</i>		
Laser Diffraction Spectroscopy (LDS) <i>Mastersizer (0.5 - 5000 µm)</i>	50	<i>1 sample with 2 replicates</i>
Dynamic Light Scattering (DLS) <i>ZetaSizer Nano ZS (3 - 3000 nm)</i>	50	<i>1 sample with 2 replicates</i>
Zeta Potential - <i>ZetaSizer Nano ZS</i>	50	<i>1 sample with 2 replicates</i>



Reologia e Viscosidade <i>Rheology and Viscosity</i>		
Rotational Viscometers (Brookfield)	55	1 sample with 2 replicates
Rotational Rheometer (Haake RS1)	55	1 sample with 2 replicates
Refractometer	30	1 sample with 2 replicates
Análise térmica <i>Thermal Analysis</i>		
Modular Differential Scanning Calorimetry (MDSC)	30 / 35 <i>ambient / cryogenic temperatures</i>	1 sample / each 60 min Sample preparation and development of methods require quotation.
Specific Heat Capacity Measurements Using MDSC	40	1 sample with 1 replicate
Thermogravimetric Analysis (TGA)	30	1 sample / each 60 min Sample preparation and development of methods require quotation.
Simultaneous Differential Thermal Analysis (SDT)	30	1 sample / each 60 min Sample preparation and development of methods require quotation.
Propriedades de superfície <i>Surface Properties</i>		
Inverse Gas Chromatography	*	Requires quotation
Surface Tension <i>Balance for surface tension determination</i>	55 / 70	1 sample: - with replicates at one temperature =55€ - in a temperature range (4 temperatures) =70€
Contact Angle Determination	*	Requires quotation
Outras <i>Others</i>		
Vibrating Tube Densimeter	55 / 70	1 sample - with replicates at one temperature =55€ - in a temperature range (4 temperatures) =70€ - at one temperature with pressure variation =70€ The prices include the preparation of the densimeter for measurements.
Electrospinning	*	Requires quotation

*** Please requires quotation to:**

Centro de Investigação - CIEPQPF
Departamento de Engenharia Química - FCTUC
Rua Sílvio Lima, Polo II
3030-790 Coimbra – Portugal
Tel. +351 239 798 790
E-mail: cideq@eq.uc.pt

NOTES:

- Prices do not include VAT (at the legally-established rate).
- Depending on the properties of the products to be analysed, the indicated prices can be further adjusted.
- Replicates performed on each technique are indicated in the table, each additional replica is counted as one sample.
- Indicated prices are for Customers external to UC / DEQ / CIEPQPF.
 - a) CIEPQPF members are imputed 25% of the total costs of analyses. Other discounts may be applicable;
 - b) DEQ members are imputed 70% of the total costs of analyses. Other discounts may be applicable;
 - c) UC members are imputed 80% of the total costs of analyses. Other discounts may be applicable.
- For analyses requested under specific provision of services protocols and for larger number of analyses, quantity discounts may be made (require quotation).