

CATALOGUE

PHYSICAL-CHEMICAL TESTING

Institut Technologique FCBA

Ecotoxicology – Chemistry Laboratory

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The recognised expertise of the Ecotoxicology-Chemistry laboratory qualifies its teams to participate in national and European standardisation work, as well as in scientific collaboration projects on an international scale. The laboratory conducts its work in compliance with a quality system and with recognized procedures (GLP - Good Laboratory Practice)

Since 1997, the Ecotoxicology-Chemistry laboratory has been recognizing Good Laboratory Practice (GLP). The GLP-recognized ecotoxicology-chemistry laboratory performs the experiments requested in different Regulations as Regulation (EU) No. 528/2012, Regulation (EC) No.1907/2006 REACH, Regulation (EC) No. 1107/2009.



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The prices include:

- Study protocol and report in English,
- Issue of draft report for approval.

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VALIDATION OF ANALYTICAL METHODS

Product

Test description	
SANCO 3030/99 Rev.4	Analytical validation for the chemical analysis of active substance (1 or 2 active substances). Substance analysed by HPLC/DAD/Fluorescence or by GC/FID/ECD/MS or by ICP/OES or by TOC or by IC (Ionic chromatography).
HPLC/DAD/Fluorescence, GC/FID/ECD/MS, ICP/OES, TOC or by IC (Ionic chromatography).	Chemical analysis of active substance(s) Issue of Certificate of analysis

Residue in relevant matrices as water, wood, soil, ecotoxicology solution.

Test description	
SANCO 3029/99 rev.4	Analytical validation for the chemical analysis of an active substance in several matrices. Substance analyzed by HPLC/DAD/Fluorescence or by GC/FID/ECD/MS or by ICP/OES or by TOC or by IC (Ionic chromatography).



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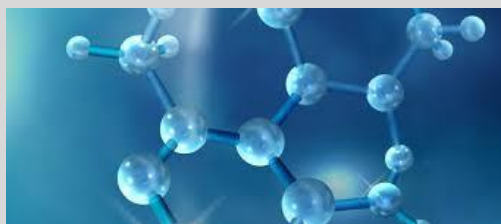
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PHYSICAL-CHEMICAL PROPERTIES OF TEST ITEM

Test description	
Appearance	Physical state, colour
OECD 109	Relative density
OECD 114	Viscosity at 20 and 40 °C
OECD 115	Surface tension
A.09 Method	Flash point
CIPAC MT 75.3	pH pure test item or diluted at 1 %w/w
CIPAC MT 191	Acidity/alkalinity
CIPAC MT 36.3	Emulsion and re-emulsion properties
CIPAC MT 47.2	Persistent foaming
OECD 105	Water solubility – Shake flask Method
	Water solubility – Column Elution method
OECD 106	Adsorption/Desorption batch equilibrium method
OECD 107	Partition Coefficient (n-octanol/water) – Shake flask method
OECD 111	pH Hydrolysis (Level 1)
OECD 117	Partition Coefficient (n-octanol/water), HPLC Method
OECD 121	Estimation of the adsorption coefficient (Koc) on soil and sewage sludge using HPLC



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STORAGE STABILITY

Test description	
CIPAC MT 39	Low temperature stability (0°C during 7 days)
CIPAC MT 36.1	Accelerated stability at 54°C during 14 days, 8 weeks at 40°C or others conditions
Technical monograph No.17 (Croplife)	Storage stability during 2 years at ambient temperature



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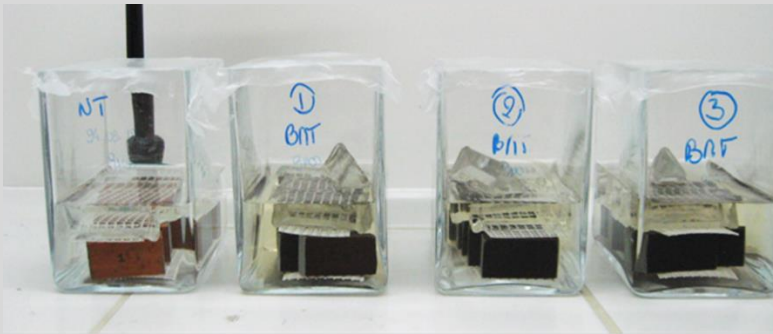
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LEACHING TEST OF WOOD IN SERVICE

Test description
Leaching test according to OECD series on testing and assessment Number 107: Preservative - treated wood to the environment: for wood held in storage after treatment and for wooden commodities that are not covered and are not in contact with ground.
OECD 313 : Estimation of Emissions from Preservative - Treated Wood to the Environment: Laboratory Method for Wooden Commodities that are not Covered and are in Contact with Fresh Water or Seawater
NT BUILD 509/ CEN TR16663 – Leaching test : Semi-field test



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