



Chemical control for biocides products

Biocides products content determines the efficacy of the products in the daily use. Biocide batches requires to be analyzed before being released into the market, for regulatory and/or for quality purposes.

Eurofins performs studies and controls regarding all biocide product types. The Chemical Laboratory supports biocides manufacturers performing Biocides Batch Controls, with general methods and with different technical approaches depending on customer needs.

The following table provides a synthesis of the main substances analyzed. We are able to perform successfully analysis of other substances not reported below in order to meet every specific need.

Insecticides / Insect-Repellents

Substance	Analytical Technique	Substance	Analytical Technique
Pirethrum Extract	GC-FID\GC-MS	Citronellol	GC-FID\GC-MS
Transflutrin	GC-FID\GC-MS	Linalool	GC-FID\GC-MS
Tetrametrin	GC-FID\GC-MS	Limonene	GC-FID\GC-MS
Citrodiol	GC-FID\GC-MS	Essential Oils	GC-FID\GC-MS
Picaridin/Icaridin (Kbr 3023)	GC-FID\GC-MS	Pirethroids	GC-MS
DEET (Diethyltoluamide)	GC-FID\GC-MS	PBO Piperonyl Butoxyde)	GC-FID\GC-MS
Ir3535 (Ethyl Butylacetylaminopropionate)	GC-FID\GC-MS	Ciromazin	HPLC-UV
PBO (Piperonyl Butoxyde)	GC-FID\GC-MS	Esbiotrin	HPLC-UV
Tricosene (Z-9)	GC-FID\GC-MS	Etofenprox	HPLC-UV
Geraniol	GC-FID\GC-MS	Etyl Butyl Acetyl Aminopropionate	HPLC-UV
Menthol	GC-FID\GC-MS	Permethrin	HPLC-UV
Camphor	GC-FID\GC-MS	Thiamethoxam	HPLC-UV



Disinfectant / Preservatives

Substance	Analytical Technique	Substance	Analytical Technique
Alcoholic Mixture	GC-MS	Benalaxyl-M (Ir6141)	HPLC-UV
Phenols	GC-MS	Benzalkonium Chloride (BKC)	HPLC-UV
Cresols (Methyl Phenols)	GC-MS	Benzalkonium Chloride (BKC) + Hydrogen Peroxide	HPLC-UV
1-Propanol	HS-GC-FID\GC-TCD	Chlorhexidine Digluconate	HPLC-UV
Chloro-Bromo-Phenols	GC-MS	Chlorphenesin	HPLC-UV
Triclosan,	GC-MS	Didecyl Dimethyl Ammonium Chloride (Ddac)	HPLC-UV
Ethanol	HS-GC-FID\GC-TCD	Phenoxyethanol	HPLC-UV
2-Propanol (Ipa)	HS-GC-FID\GC-TCD	Ipbc (3-Iodo-2-Propynyl-Butylcarbamate)	HPLC-UV
Acetic Acid	HPLC-UV	Propiconazole	HPLC-UV
Formic Acid + Benzalkonium Chloride (BKC)	HPLC-UV	Onyxide 3300	HPLC-UV
Glycolic Acid	HPLC-UV	Polyhexamethylene Biguanide (Phmb)	HPLC-UV
L-Lactic Acid	HPLC-UV	Polyvinylpyrrolidone Iodine (Pvp-I)	HPLC-UV
Oxalic Acid	HPLC-UV	Potassium Sorbate	HPLC-UV
Benzyl Alcohol	HPLC-UV	Pcmc/Pcmx	HPLC-UV
Bardap 26	HPLC-UV	Sodium Benzoate (Benzoic Acid)	HPLC-UV

Rodenticides

Substance	Analytical Technique	Substance	Analytical Technique
Abamectin	HPLC-UV	Bromadiolone	HPLC-UV
Brodifacoum	HPLC-UV	Difenacoum	HPLC-UV

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