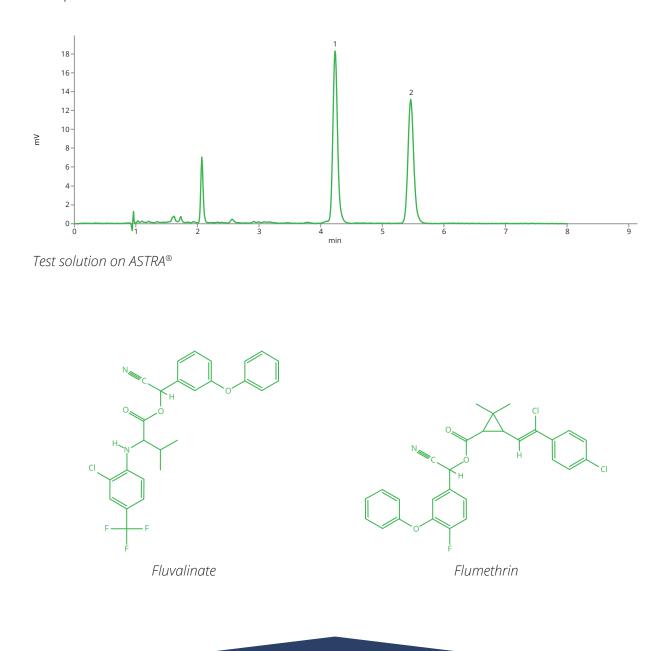
Pyrethroid insecticides

Flumetrin and fluvalinate are pyrethroid insecticides used to control mites in honeybee colonies. The treatment by these insecticides should be strictly controlled due to its toxic effects on health of honeybees. The described method allows to determine flumetrin and fluvalinate in honey and related biological samples matrixes.

APPLICATION LIST #517



www.chromservis.eu

ASTRA® is a trademark registered by Chromservis s.r.o. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and/or names or their products and are the property of their respective owners. We disclaim proprietary interest in the marks and names of others.

APPLICATION LIST #517

Pyrethroid insecticides

Column	ASTRA® C18-HE C18, 3.0 μm
Dimensions	150 mm × 4.6 mm
Part number	AST-5732-IK46
Mobile phase	ACN : water 90/10 (v/v)
	Isocratic elution
Flow rate	1.5 mL/min
Temperature	25 °C
Detection	PDA at 255 nm
Analytes	1. Fluvalinate, CAS number 69409-94-5
	2. Flumethrin, CAS number 69770-45-2

This application was developed by the Beekeeping Research Institute.



www.chromservis.eu

ASTRA® is a trademark registered by Chromservis s.r.o. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and/or names or their products and are the property of their respective owners. We disclaim proprietary interest in the marks and names of others.