



# DIRECT SAMPLE ANALYSIS

## TOF MS

### Environmental: Insecticide on mosquito nets

#### Results in seconds

#### Assures product authenticity

#### Protects consumers

- Deltamethrin is a WHO approved insecticide for treatment of mosquito nets
- Treated nets command a higher price but some suppliers omit the insecticide
- Existing protocols require extraction followed by HPLC or GC/MS analysis
- DSA-TOF analysis of a net section confirms presence of deltamethrin at the required level to be effective
- The analysis was performed in 15 seconds with no sample preparation and external calibration

