

## How was your cigarette today?..... and where from?

### FlavourSpec®: Fake cigarettes detection and blending control

Conterfeit 'fake' cigarettes is a huge market today. By processing commodities of poor grade and disregarding quality standards fake cigarettes endanger the consumers health and cause economic damage.

The FlavourSpec® is a fast and easy to use tool that reliably characterizes cigarettes by a headspace analysis as each cigarette features a characteristic flavour. Automated processing of acquired data determine individual signatures that allow a definite identification of each type.



**FlavourSpec®**

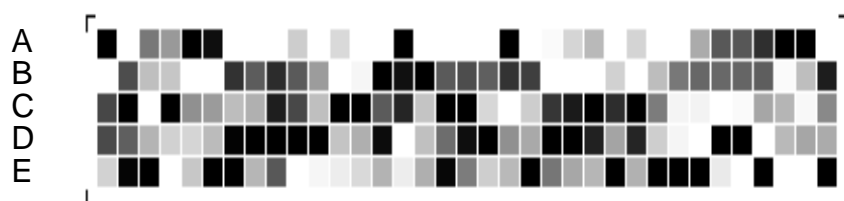
#### Applications:

- Identification of genuine / counterfeit cigarettes
- Quality control of commodities
- Secure a constant blending / product quality

#### Advantages of FlavourSpec®:

- No sample preparation
- Convenient / easy sample handling
- Automated workflow
- Fast run times: Results in typically <10 minutes

#### Brand



**Headspace signatures of 5 cigarette types**

Tested Sample	Assigned Training Sample	Deviation
Sample01	lib_quality_A	3,94
Sample02	lib_quality_C	24,37
Sample03	lib_quality_B	9,82
Sample04	lib_quality_B	10,83
Sample05	lib_quality_B	0,80
Sample06	lib_!objectionale!	7,72
Sample07	lib_quality_C	22,54
Sample08	lib_quality_B	12,41
Sample09	lib_quality_B	14,46

**Automated sample recognition**