

Annual CIPAC/FAO/WHO Report Form on the Quality Control of Pesticides

Country/Name and Address of the Institution (contact person):

Czech Republic

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1 - Essential Information

0 Reporting period/year:	Number of samples analyzed (1)	Number of non-compliance (2)	Uses (3) (optional)
2008	39	9	Agricultural use: 39
			Public Health use: -
			Home and Garden use: included in total, Not recorded separately
			Other uses (please specify):

(1) Any sample, including those of active inspection and registration control samples.

(2) Non-compliance with FAO/WHO or national pesticide specifications.

The reason of non-compliance:

2 samples – differences in composition of sample

4 samples – lower active ingredient content and/or higher impurity content

3 samples – differences in fyz-chem properties with FAO or national pesticide specifications

(3) If possible, please indicate the use/destination of the pesticide analyzed. If the pesticide has various uses, it should be included only in one category and should be explained under item 2 (comments).

2 - Any comments and/or background information

All 39 samples (21 active ingredients) were analyzed for active ingredient content and their relevant impurities content before and after storage stability test at 54°C, 40°C or 35°C. Samples of EC formulations were analyzed for xylene and NPOE content. All samples represent 7 types of formulations. Physical and chemical properties of samples were tested according to recommendation in FAO specification or national pesticides specification (675 laboratory tests).

3. State Phytosanitary Administration has participated in following collaborative and PT trials

a) CIPAC Activities:

- Clothianidin

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b) AAPCO Activities

- Chlorothalonil

- Permethrin

- Carbaryl
- Imidacloprid

c) AFSCA Activities – Proficiency testing of physicochemical properties of pesticides formulations

- pH formulation
- pH dilution 1%,
- density
- active ingredient-asulam
- foaming properties

4. – Accreditation of laboratory

Department of Laboratory of Pesticides was accredited according to EN ISO/IEC 17025:2005 by Czech accreditation body in May 2008 and received **Certificate of Accreditation**.

- Determination of density by hydrometer method according to CIPAC MT 3.1 a MT 3.3.1
- Determination of pH values according to CIPAC MT 75.3
- Wet sieve test according to CIPAC MT 185
- Wetting of wettable powders - method without swirling according to CIPAC MT 53.3.1
- Karl Fisher method using pyridine-free reagents according to CIPAC MT 30.5
- Dilution stability of pesticide aqueous solutions according to CIPAC MT 41
- Low temperature stability of liquid formulations according to CIPAC MT 39.3
- Determination of xylenes in EC formulations by GC-FID