Vrije Universiteit Brussel
FACULTEIT VAN DE WETENSCHAPPEN
ONDERZOEKSGROEP MICROBIELE INTERACTIES

SINECURA
Florastraat 35
9840 De Pinte

ANALYSIS REPORT

Type: **Ash content/Microbiol. anal. / Toxic metals/Pest. Residu**
Sample: Caryophyllum, flos
Analyst:: KD
Date of analysis: 18/07/05-19/08/05
Reference: PLKDA/TA 1967

Sample code: 5070-374541

Received on: 15/07/05
Condition: Closed plastic bottle, sealed (OK).

Sample storage until analysis: dark/room temperature.

Remarks:

Sampling was not carried out by the laboratory.

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Identity

Identity : conform
Reference : IPF / SM P11293 / 12.10.04
Reference : 5070 / 12.13.04

Ash values

	Repetition 1	Repetition 2	Mean
Total ash content	4.4 %	4.1 %	4.3 %
Acid insoluble ash content	0.2 %	0.1 %	0.2 %

Microbiological analysis

	Measured in sample	Maximal tolerated value
Aflatoxine B1		<2.5 ppb
B2		< 2.5 ppb
G1		< 2.5 ppb
G2		< 2.5 ppb
Bacillus cereus	< 100/g	< 10.000/g
Escherichia coli	< 10/g	< 100/g
Listeria monocytogenes		Absent/25 g
Salmonella	Not detectable/25 g	Absent/25 g
Total Aerob. Bact.	< 10.000/g	5.10^6/g
Total Yeasts and Moulds	< 10.000/g	< 100.000/g

Analysis toxic metals

Method: ICP-MS for all elements except Hg.
Hg by Cold-Vapor-AAS.

Compound	Repetition 1	Repetition 2	Mean	Maximal tolerated value**
Arsenic (As)	0.14 ppm	0.11 ppm	0.13 ppm	1.0 ppm**
Cadmium (Cd)	0.01 ppm	0.01 ppm	0.01 ppm	0.5 ppm**
Lead (Pb)	0.86 ppm	0.80 ppm	0.83 ppm	1.0 ppm**
Mercury (Hg)	0.01 ppm	0.01 ppm	0.01 ppm	0.2 ppm**

**: in food supplements.

Analysis pesticides (200)

Method: GC-MS qualitative *.

No detectable residus.

*: by this method a qualitative screening for more than 200 compounds is performed. Only when positive results are found a quantitative analysis is carried out. A list of the 200 pesticides identified can be obtained on written request.

Date: 19/08/05

Dr. K. Demeyer
Responsible analysis