

APPENDIX II

MATTERS RELATED TO CCMAS
(For information and action by CCMAS)

Performance criteria for arsenic and inorganic arsenic

Table 1: Method performance criteria for arsenic

Commodity: Edible fats and oils Provision: Arsenic ML (mg/kg): 0.1 mg/kg						
Min. Appl. Range (mg/kg)	LOD (mg/kg)	LOQ (mg/kg)	Precision (%) No more than	Recovery (%)	Examples of applicable* methods	Principle
0.032–0.17	0.01	0.02	44	80-110	AOAC 963.21 and AOAC 942.17	Kjeldahl flask digestion and Colorimetry (molybdenum blue)
					AOAC 963.21 and AOAC 952.13	Kjeldahl flask digestion and Colorimetry (diethyldithiocarbamate)
					AOAC 986.15	Atomic absorption spectrophotometry
					NMKL 186 / AOAC 2013.06 / EN 15763	ICP-MS

* The applicability of the methods has to be verified by the standard developing organisations

Table 2: Method performance criteria for inorganic arsenic

Commodity: Fish oil Provision: Inorganic arsenic ML (mg/kg): 0.1 mg/kg						
Min. Appl. Range (mg/kg)	LOD (mg/kg)	LOQ (mg/kg)	Precision (%) No more than	Recovery (%)	Examples of applicable methods*	Principle
0.032–0.17	0.01	0.02	44	80-110	EN 15517	Hydride generation atomic absorption spectrometry (HGAAS) after acid extraction
					EN 16802	Anion-exchange HPLC-ICP-MS

* The applicability of the methods has to be verified by the standard developing organisations