CODEX ALIMENTARIUS COMMISSION

Food and Agriculture Organization of the United Nations

World Health Organization

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Agenda Item 3.2 **CRD26**

ORIGINAL LANGUAGE ONLY

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON METHODS OF ANALYSIS AND SAMPLING

43rd Session
Budapest, Hungary

13 – 18 May 2024

(Comments of Nordic-Baltic Committee on Food Analysis (NMKL))

Agenda Item 3.2: Performance criteria for selected processed fruits and vegetables

Review of example methods for contaminants: performance criteria for lead and cadmium in foods.

NMKL proposes this CRD with respect to a request from a delegate to list NMKL 161 as an example method for several of the commodities. NMKL 161 has previously been listed in CXS 234 for commodities together with the AOAC 999.10 and AOAC 999.11 that share the collaborative study.

This CRD gives the NMKL 161 performance characteristics for the provisions Pb and Cd and suggests when the method would meet the performance criteria:

NMKL 161 is not fit for purpose for fats and oils (>40% fat) and milk powder, but could be listed as example method for the provisions Cd and Pb in CXS 234 when:

NMKL 161 for cadmium (GF AAS): LOD 0.002, RSDR 11-28%, analytical range in the collaborative study 0.0124-0.764 mg/kg. The method could be listed for Cd for all commodities listed with ML ≥ 0.02 except Natural mineral waters (ML = 0.003).

NMKL 161 for lead (GF AAS): LOD 0.55 (5 g sample) and 0.014 (2 g sample), RSDR 16-42%, analytical range in the collaborative study 0.13-1.62 mg/kg. The method meets the performance criteria for commodities with ML ≥ 0.02 if 2 g sample is used.