

codex alimentarius commission



FOOD AND AGRICULTURE
ORGANIZATION
OF THE UNITED NATIONS



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Agenda Item 5

CX/FO 03/5-Add.1

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON FATS AND OILS

Eighteenth Session

London, United Kingdom, 3 – 7 February 2003

**PROPOSED DRAFT AMENDMENTS TO THE STANDARD FOR NAMED VEGETABLE OILS
(Super Palm Olein and Mid Oleic Acid Sunflower Oil, Inclusion of new data in Table 3 and Table 4 of
the Standard)**

COMMENTS AT STEP 3

The following comments have been received from Brazil, Malaysia in response to CL 2002/23-FO and CL 20002/47-FO.

BRAZIL

Regarding the product mid-oleic sunflower oil, Brazil does not comment on the fatty acids composition, chemical and physical characteristics and identity characteristics due to the non-existence of production of the oil in the country.

MALAYSIA

DATA ON DESMETHYLSTEROL AND TOCOPHEROLS/TOCOTRIENOLS FOR PALM OLEIN AND PALM STEARIN FOR INCLUSION IN TABLES 3 AND 4

Table 3: Levels of desmethylsterols in crude vegetable oils from authentic samples as a percentage of total sterols

	PALM OLEIN	Palm stearin
Cholestrol	2.6 – 7.0	2.5 – 5.0
Brassicasterol	ND	ND
Campesterol	12.5 – 39.0	15.0 – 26.0
Stigmasterol	7.0 – 18.9	9.0 – 15.0
Beta - sitosterol	45.0 – 71.0	50.0 – 60.0
Delta-5-avenasterol	ND-3.0	ND-3.0
Delta-7-stigmastenol	ND-3.0	ND-3.0
Delta-7-avenasterol	ND-6.0	ND-3.0
Others	ND-10.4	ND-5.0
Total sterol (mg/kg)	270-800	250-500

Table 4: Levels of tocopherols and tocotrienols in crude vegetable oils from authentic samples (mg/kg)

	Palm olein	Palm stearin
Alpha-tocopherol	30-280	ND-100
Beta-tocopherol	ND-250	ND-50
Gamma-tocopherol	ND-100	ND-50
Delta-tocopherol	ND-100	ND-50
Alpha-tocotrienol	50-500	20-150
Gamma-tocotrienol	20-700	10-500
Delta-tocotrienol	40-120	5-150
Total	300-1800	100-700