

APPENDIX III

METHODS OF ANALYSIS FOR INFORMATION FOR CCFO AND FUTURE ADOPTION AND INCLUSION
IN CXS 234-1999 UPON FINALISATION OF THE STANDARD BY CCFO

Note: changes indicated in **bold** and underlined font.

Fats and oils				
Commodity	Provision	Method	Principle	Type
<u>Microbial omega-3 oils</u>	<u>Fatty acid composition</u>	<u>ISO 12966-2 and ISO 12966-4</u>	<u>Preparation of FAME* and determination by GC-FID</u>	<u>III</u>
<u>Microbial omega-3 oils</u>	<u>Fatty acid composition</u>	<u>AOCS Ce 2-66 and AOCS Ce 1i-07</u>	<u>Preparation of FAME* and determination by GC-FID</u>	<u>II</u>
<u>Microbial omega-3 oils</u>	<u>EPA and DHA</u>	<u>Ph. Eur. 2.4.29 / USP 401</u>	<u>GC-FID</u>	<u>II</u>
<u>Microbial omega-3 oils</u>	<u>EPA and DHA</u>	<u>AOCS Ce 1i-07</u>	<u>GC-FID</u>	<u>III</u>
<u>Microbial omega-3 oils</u>	<u>Peroxide Value</u>	<u>AOCS Cd 8b-90 / ISO 3960 / NMKL 158 / Ph. Eur. 2.5.5</u>	<u>Titrimetry (colorimetric)</u>	<u>I</u>
<u>Microbial omega-3 oils</u>	<u>Anisidine Value</u>	<u>Ph. Eur. 2.5.36 / AOCS Cd 18-90 / ISO 6885</u>	<u>Spectrophotometry-UV</u>	<u>I</u>
<u>Microbial omega-3 oils</u>	<u>Acid Value</u>	<u>AOCS Ca 5a-40 / AOCS Cd 3d-63 / ISO 660 / NMKL 38 / USP 401, Method 1</u>	<u>Titrimetry</u>	<u>I</u>
<u>Microbial omega-3 oils</u>	<u>Unsaponifiable matter</u>	<u>ISO 3596 / AOCS Ca 6b-53</u>	<u>Gravimetry and Titrimetry</u>	<u>I</u>
<u>Microbial omega-3 oils</u>	<u>Moisture</u>	<u>ISO 8534</u>	<u>Titrimetry (Karl Fischer)</u>	<u>II</u>
<u>Microbial omega-3 oils</u>	<u>Moisture</u>	<u>AOCS Ca 2e-84</u>	<u>Titrimetry (Karl Fischer)</u>	<u>III</u>

*FAME = Fatty Acid Methyl Esters