



## OILS AND FATS

### Chemistry-Oils and Fats

Parameters	Technique
<b>Quality parameters</b>	
Moisture and volatile matter	Gravimetric
Insoluble impurities	Polarimetry
Soap content	Potentiometry
Refractive index	Gravimetric
Saponification value mgKOH/g	Spectrophotometry
Unsaponifiable matter	Spectrophotometry
Peroxide value	Titrimetry
Acid value mgKOH/g	Titrimetry
Rancidity	Titrimetry
Iodine value (WIJS) g/100g	Titrimetry
Copper	MP-AES
Iron	MP-AES
Vitamin A	UHPLC
Vitamin E	UHPLC
<b>Contaminants</b>	
Cadmium	GF-AAS
Lead	GF-AAS
Arsenic	GF-AAS

### Microbiology

Parameters	Technique
Total Plate Count (TPC)CFU/10g	Pour plate
Escherichia coli CFU/g	Pour plate
Salmonella per 25/g	Enrichment/streak plate