



FRUITS & VEGETABLES	
Parameters	Technique
CHEMISTRY	
Package 1 - Pesticide residues	
Organochlorine Pesticides (OCP)	GC-MS-MS
Organophosphorus Pesticides (OPP)	GC-MS-MS
* OCP & OPP requested together	GC-MS-MS
Pyrethroids	GC-MS-MS
Dithiocarbamates	Spectrophotometry
Package 2 - Elemental analysis	
Aluminium (Al)	MP-AES
Arsenic (As)	GF-AAS
Antimony (Sb)	MP-AES
Beryllium (Be)	MP-AES
Boron (B)	MP-AES
Cadmium (Cd)	GF-AAS
Calcium (Ca)	MP-AES
Chromium (Cr)	MP-AES
Cobalt (Co)	MP-AES
Copper (Cu)	MP-AES
Iron (Fe)	MP-AES
Lead (Fe)	GF-AAS
Magnesium (Fe)	MP-AES
Manganese (Mn)	MP-AES
Mercury (Hg)	FIMS
Nickel (Ni)	MP-AES
Phosphorous (P)	MP-AES
Potassium (K)	MP-AES
Selenium (Se)	MP-AES
Silver (Ag)	MP-AES
Sodium (Na)	MP-AES
Tin (Sn)	MP-AES
Zinc (Zn)	MP-AES
Package 3 - Other possible parameters	
Appearance	Physical
Texture	Physical
Flavor	Physical
Vitamin A	HPLC

Vitamin C	HPLC
Total oils	Gravimetry
Moisture content	Gravimetry
Ash	Gravimetry
Crude Fiber	Gravimetry
Crude Protein	Titrimetry
Carbohydrates	Calculation
Energy Value	Calculation
Energy density	Calculation

MICROBIOLOGY

Package 1- Microbiology (fruit & vegetable salads) package

Staphylococcus Aureus	Spread plate
Escherichia Coli (E-coli)	Pour plate
Total Coliforms (TC)	Pour plate
Salmonella	Enrichment/Streak plate
Yeast and Moulds	Spread plate
Bacillus Cereus	Spread plate

Package 2- Microbiology (dry fruit snacks ready to eat) package

Escherichia Coli (E-coli)	Pour plate
Staphylococcus Aureus	Spread plate
Yeast and Moulds	Spread plate
Total aerobic count	Pour plate