



HONEY PACKAGE

Package 1 - Quality Parameters

| | |
|-----------------------------|----------------|
| Moisture content | Refractometer |
| Water insoluble solids | Gravimetric |
| Conductivity ash | Potentiometric |
| Diastase | Spectrometry |
| Hydroxymethylfurfural (HMF) | Spectrometry |
| Acidity | Titrimetric |
| Total Ash | Gravimetric |

Package 2 - Chemical Residues Testing

| Parameters | Technique |
|---|-----------|
| Heavy metals | |
| Arsenic (As) | GF-AAS |
| Mercury (Hg) | FIMS |
| Lead (Pb) | GF-AAS |
| Cadmium (Cd) | GF-AAS |
| Zinc (Zn) | MP-AES |
| Nickel (Ni) | MP-AES |
| Copper (Cu) | MP-AES |
| Chromium (Cr) | MP-AES |
| Antibiotics | |
| *Nitrofuranes | HPLC |
| *Chloramphenicol, Sulfonamides, Oxytetracycline | HPLC |
| *Streptomycines | HPLC |
| Pesticide Residues | |
| *PolyChlorinated Biphenyls | GCMSMS |
| *OrganoChlorine Pesticides & Pyrethroids | GCMSMS |
| *OrganoPhosphorus Pesticides | GCMSMS |
| *Dithiocarbamates | GCMSMS |
| *Carbamates | GCMSMS |

Package 3- Microbiology package

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

* Parameters marked with an asterisk (*) are subcontracted to an accredited group of laboratories in Europe

The laboratories testing the above parameters are accredited for these specific parameters in the specific matrix (honey) in order to comply with the EU requirements and to enable export of honey to the EU.