The aim of the study was to investigate essential oil contents and compositions and suitability to international codex of anise (*Pimpinella anisum* L.), fennel (*Foeniculum vulgare* Mill.), coriander (*Coriandrum sativum* L.), cumin (*Cuminum cyminum* L.) and dill (*Anethum graveolens* L.) grown in Burdur. Species used in research were produced in 2010. According to research result, essential oil content of species was 2.68, 2.74, 3.02, % 1.82 and 3.02 percent for anise, fennel, dill, cumin, coriander, respectively, and main component of the essential oils were anethol (% 90.35), trans-anethol (% 85.27), carvone (% 71.80), 2-caren-10-al (% 50.02) ve linalool (% 95.56) for anise, fennel, dill, cumin, coriander respectively. All species, except cumin were suitable to ASTA standards in terms of essential oil content. This situation can provide a significant advantage in the export of these species.