

### **Application field: Licorice**

#### **Summary**

This method provides for the acid digestion of Licorice powder sample using LabTech digiblock digester.

#### **Equipment**

LabTech digiblock digester ED36S-iTouch and digestion tube (glass tube GC-36-L)

#### **Reagent**

1. HON<sub>3</sub>: ρ=1.42g/ml, AR
2. HClO<sub>4</sub>: ρ=1.42g/ml, AR

#### **Procedure**

1. Add 0.5g sample, 5ml HNO<sub>3</sub>, 1.25ml HClO<sub>4</sub> to digestion tube in sequence and cover the tube.
2. Insert the digestion tube into the cavity of digiblock digester.
3. Set the temp. of digester to 100°C and hold 40 min.
4. Set the temp. of digester at 130°C and hold 120 min.
5. Set the temp. of digester at 150°C and hold 40 min.
6. The sample has been digested totally. Let solution cool to ambient temp. and the solution is ready for analysis.

#### **Notes**

Appropriate acid amounts, acid mixture proportion and adding sequence are important for good digestion result.

LabTech digiblock digester can precisely control the digestion temperature and provide high sample-to-sample uniformity. It's a kind of easy and simple way to digest multiple samples.