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Czech J. Food Sci.

**Primorac L., Flanjak I.,
KenjerićD., BubaloD.,**

Topolnjak Z.:

Specific rotation and carbohydrate profile of Croatian unifloral honeys

Czech J. Food Sci., 29 (2011): 515-519

Specific rotation and carbohydrate profile of Croatian black locust (*Robinia pseudoacacia* L.), sage (*Salvia officinalis* L.) and chestnut (*Castanea sativa* Mill.) honeys were determined. Fructose, glucose, sucrose, maltose (with cellobiose and trehalose), melezitose (with erlose), raffinose, and xylose were evaluated and quantified by HPLC, while specific rotation was determined by using a polarimeter. The differences in the carbohydrate profile, especially in disaccharide and trisaccharide contents, reflected different specific rotation values of the honey types selected. Weak