

# Determination of Selenium in *Teucrium* Species by Hydride Generation Atomic Absorption Spectrometry

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Hydride generation atomic absorption spectrometry (HGAAS) was applied for determination of selenium content in dried aerial parts of wild and cultivated *Teucrium* species (*Lamiaceae*) growing in Croatia: *T. arduini* L., *T. chamaedrys* L., *T. flavum* L., *T. montanum* L., *T. polium* L., and *T. scordium* L. subsp. *scordioides* Schreb. Special attention was paid to the wet oxidation procedure for the sample dissolution. The proposed procedure involved microwave-assisted sample digestion using a mixture of HNO<sub>3</sub>/H<sub>2</sub>O<sub>2</sub>. Wild specimens generally had a higher content of selenium, with concentrations of 0.030–0.095 mg/kg of the dry drug. Cultivated plants contained 0.020–0.055 mg Se/kg.

*Key words:* *Teucrium*, Selenium, Hydride Generation Atomic Absorption Spectrometry