

**THE MACRO AND MICRO ELEMENT CONTENT OF THE ORGANS OF
HEALTHY MARINO SHEEP AND OF THOSE WITH FOOT DISEASES****EGÉSZSÉGES ÉS LÁBVÉGBETEG MERINÓ JUHOK EGYES SZERVEINEK
MAKRO- ÉS MIKROELEM TARTALMA****SZÓRÁDI TIBOR**

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The Ca content of the fleece of grazing sheep (1860 mg/kg) is larger than that of the indoor sheep (1760 mg/kg). The horn wall contains more Ca than the bottom of the horn in the case of both indoor groups while the bottom contains more Mg than the wall. The measured quantities prove the opinion of B. KOVÁCS (1977) stating that the Na concentration is larger in the wall of the horn than in the bottom of it, while in the case of the Mg it is vice versa. The Mn content of the fleece (2.8; 1.9 mg/kg) and the liver (2.4; 3.5 mg/kg) of the indoor sheep is rather little, and also the Zn content (fleece 18; 57 mg/kg) (liver 44; 35 mg/kg). It justifies the statement of RÉGIUSNÉ MÓCSÉNYI (1990) that it is only the pasture grass that can meet both the Mn (60 mg/kg) and Zn (40 mg/kg) requirement of the sheep, because the grass contains more Mn and Zn than the hay and the forage. The Mn content of the bottom of the horn of the grazing sheep (26 mg/kg) is the double the amount of that of the indoor animals (13.1; 15.1 mg/kg), the reason can be that with a better Mn supply the Mn content of the foot horn is also increasing.

Keywords: sheep, element content, foot horn, bottom, wall