FLAVONOIDS OF SEEDS OF PLANTS OF THE GENUS *Tagetes*

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We have investigated the flavonoid composition of the seeds of *Tagetes patula* L. (French marigold, low-growing and high-growing forms) and *Tagetes erecta* L. (Aztec or African marigold) collected in the fruit-bearing period in the environs of the town of Zaporozh'e.

Extraction was performed with 96% ethanol and the extracted material was separated on a polyamide sorbent with mixtures of ethanol and water and of ethanol and chloroform. The seeds of *T. petula* L., low-growing and high-growing forms, yielded patuletin and patulitrin, and the seeds of *T. erecta* L. yielded quercetagetin and quercetagitrin.

The substances were identified on the basis of melting points, a chromatographic study of the initial compounds and their transformation products, UV-spectroscopic analysis with ionizing and complex-forming reagents, and IR and NMR spectra [1-3].

LITERATURE CITED

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