Full Paper	<i>Thematic Section:</i> Chemical Technology.
Registration Code of Publication: 10-23-15-30	Subsection: Biochemistry

Publication is available for discussion in the Internet as a material of "All-Russian Working

Chemical Conference "Butlerov's Heritage-2011". http://butlerov.com/bh-2011/

Contributed to editorial board: December 18, 2010.

Chemical composition and development of water extraction and ointments on the basis of cocoa shell

© Yulia S. Pokrovskaya, 1* Ashot V. Simonyan, 2* and Valery V. Novochadov 3*

¹Department of pharmaceutical technology and biotechnology. Volgograd state medical university. Kim St., 20. Volgograd, 400001. Russia.

Phone/(Fax): +7 (8442) 97-50-66. E-mail: PokrovskayaJS@yandex.ru

² Department of pharmaceutical technology and biotechnology. Volgograd state medical university. Kim St., 20. Volgograd, 400001. Russia.

Phone/(Fax): +7 (8442) 97-50-66. E-mail: avsimonyan@yandex.ru ³ Department of bioengineering and bioinformatics. Volgograd state university.

Army St., 4A, 64th. Volgograd, 400059. Russia. Phone: +7 (8442) 44-72-97. E-mail: novovv@rambler.ru

Keywords: cocoa shell, extraction of cocoa shell, ointment "Vellacao", antiradical, various healings, anti-burn activities.

Abstract

Searching and development of new effective anti-burn medicines is one of the vital problems of the modern pharmacy. One of the solutions to this problem has become the development of medicine based on cocoa shell – ointment "Vellacao". Investigation of rheological and technological properties of the ointment "Vellacao" *in vitro*, and its anti-burn activity in vivo has revealed that it can be recommended for use as anti-burn medicine.

^{*}Supervising author; *Corresponding author