

6th International Conference and Exhibition on

MATERIALS SCIENCE AND CHEMISTRY

May 17-18, 2018 | Rome, Italy

Development of method for quantitative determination of bromelain in gel formulation

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Gel of bromelain has anti-inflammatory properties and hence is used for treatment of edema and inflammations. This was developed at TSMU Iovel Kutateladze Institute of Pharmacochemistry. On previous researches we published the data of some properties of papain and bromelain containing gels. The presented work belongs to the development and validation of accurate and sensitive assay method for quantitative determination of bromelain in gel based on UV-spectrophotometric analysis. Elastasin was used as substrates for their analysis. Absorbance was recorded at 595 nm. The developed method is linear, precise and sensitive; Intra- and inter-day measurements. All methods were validated as per ICH guidelines and can be adopted for the routine analysis of bromelain in gel formulations.

Biography

Nana Gorgaslidze completed her PhD from Saint-Petersburg State Chemical-Pharmaceutical Academy, Russia. She is the Director of the Iovel Kutateladze Institute of Pharmacochemistry, Tbilisi State Medical University (TSMU) and Professor at the Department of Social and Clinical *Pharmacy* at TSMU. She has published more than 94 papers in reputed journals, authored four books and has two patents. She is a Member of organizing committee of several international conferences and meetings. She has more 40 years of teaching experience at the Tbilisi State Medical University, Georgia. She is the Founder of the Georgian Pharmaceutical Association (President: 2002–2005) and newspaper, *Pharmacy*. She is a Member of Scientist and Young Pharmacists of Georgia. She has long timework experience at the Ministry of Health, Labor and Social Affairs of Georgia in state control of quality medicinal and pharmaceutical products and other departments of the same ministry.

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