Journal of Innovations in Applied Pharmaceutical Sciences
www.jiapsonline.com

ISSN: 2455-5177

Research article

Development, validation and stability study of UV spectrophotometric method for determination of Repaglinide in bulk and pharmaceutical dosage forms

Mishra J.[1*], Nayak S.K[1], Sahoo S.K[2]

[1]College of pharmaceutical Sciences, Puri.
[2]Royal college of pharmaceutical Sciences & Health Sciences, Berhampur.

Abstract

A Simple, fast and reliable spectroscopic method has been developed for development, validation and stability study of Repaglinide in the pharmaceutical dosage forms. The quantitative determination of the drug was carried out by using of double beam UV-Visible spectrophotometer at wavelength 237nm. Calibration graph constructed at wavelength 237nm was linear in concentration range of 10µg/ml to 90µg/ml with correlation co-efficient 0.999. This method was validated as per ICH guidelines and can be used for determination Repaglinide in the pharmaceutical dosage forms.

Key words: Repaglinide, UV-Visible double beam spectrophotometer, Validation.

***Corresponding Author: Mishra J.,** College of pharmaceutical Sciences, Puri.