



**Phytochemical Analysis and Total Phenolic and  
Flavonoid Contents Determination of Methanolic Extract of  
*Ocimum basilicum* L seed**

Nisha H. Parikh<sup>1</sup>, Charmy S. Kothari<sup>2\*</sup>

<sup>1</sup>Arihant School of Pharmacy and Bio-Research Institute, Adalaj, Gandhinagar,  
Gujarat, India.

<sup>2</sup>Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University,  
Ahmedabad, Gujarat, India.

**Abstract :** Seed of *Ocimum basilicum* L. belong to family Lamiaceae commonly known (Takhmaria) which has been used as traditional medicine in all asian country. Preliminary phytochemical analysis was done using various solvent extract. Aim of this study to determine total phenolic and flavonoid content of methanolic extract of *Ocimum basilicum* seed. Defatted powdered materials of *Ocimum basilicum* seed were extracted with Methanol. The level of phenolic and flavonoid content were determined by Folincoicalteu method and Aluminum chloride colorimetric method with gallic acid and rutin as standard. Determination of phenolic content by  $7.15 \pm 0.15$  (mg GAE/ g extract), while flavonoid content determined by colorimetric method  $AlCl_3$  is  $3.28 \pm 0.27$  (mg RE /g extract).

**Keywords:** Flavonoid Content, *Ocimum basilicum*, Phytochemical Analysis, Total Phenolic Content.

Charmy S. Kothari *et al* /International Journal of PharmTech Research, 2016,9(4),pp 215-219.

\*\*\*\*\*