

A Research About to Determination the Quality of Feed Oils Used as Mixedfeed Raw Material from Some Feed Factories in Konya-Turkey

Authors : Gülşah Kanbur, Veysel Ayhan

Abstract : Feed oil samples which are used as mixed feed raw material were taken from six different feed factories in March, May and July. All factories make production in Konya, Turkey and all of the samples were which taken are crude soybean oil. Some physical and chemical analysis, free radical scavenger effect and total phenol content were determined on these oil samples. Moisture content was found between 0.10-22.23 %, saponification number was determined 143.13 to 167.93 KOH/kg, free fatty acidity was varied 0.73 to 35.00 % , peroxide value was found between 1.53 and 28.43 meq/kg , unsaponifiable matter was determined from 0.40 to 17.10 % , viscosity was found between 34.30 and 625.67 mPas, sediment amount was determined between 0.60-18.16 % , free radical scavenger effect was varied 20.7 to 43.04 % inhibition of the extract and total phenol content was found between 1.20 and 2.69 mg/L extract. Different results were found between months and factories.

Keywords : crude soybean oil, feed oils, mixed feed, Konya

Conference Title : ICAE 2015 : International Conference on Agricultural Engineering

Conference Location : Lisbon, Portugal

Conference Dates : April 16-17, 2015