iCAUST

PROCEEDINGS

2nd International Conference on Ayurveda, Unani, Siddha & Traditional Medicine

Institute of Indigenous Medicine
University of Colombo
Rajagiriya
Sri Lanka

16th - 18th December 2014

Abstract ID: 0059

DETERMINATION OF VITAMIN C (ASCORBIC ACID) IN LIME AND LEMON

Manuha M.I.[1]*, Iqbal N.Z.[2], Nageeb B.M. [1], Paranagama P.A.[3]

[1]Institute of Indigenous Medicine, University of Colombo, Sri Lanka
[2]Nawaloka Hospitals (Private) Limited
[3]Department of Chemistry, University of Kelaniya, Kelaniya, Sri Lanka
*inulmanuha@yahoo.com

To find out the quantity of vitamin C (ascorbic acid) content in lemon juice (Citrus limon) and lime juice (Citrus aurantifolia). Matured lime and lemon fruits were collected from 10 different local markets in different districts. Fresh juices of fruits were obtained, separately. Metephosphoric acid (HPO3) 3% was prepared. Ascorbic acid standard was made. Five ml of 3% metephosphoric acid was added to 5ml of standard Ascorbic acid solution. Ascorbic acid content in both fruit juices was determined separately using a titrimetric method with 2, 6 Dichlorophenol Indophenol as an indicator. End point of the titration was observed when the solution in the titration flask turns to pink colour. Samples were triplicated. Dye factor was determined by the formula. Average dye factor was 0.126. The range between 45.05 mg - 49.27 mg and 31.26 mg -34.14mg ascorbic acid found in 100ml of lime and lemon juice respectively. The average ascorbic acid in 100 ml lime juice and lemon juice were 47.16 mg and 32.7 mg respectively. Ascorbic acid content found high in lime juice than in lemon juice. Therefore, lime can be used instead of lemon juice in excess weight reduction.

Keywords Vitamin C, lemon juice (Citrus limon), lime juice (Citrus aurantifolia),

Abstract ID: 0064

HRBC MEMBRAN
INFLAMMATORY

Manuha M

[1]Institute of

[3]Depa

The main action of anti-
are responsible for the c
an inflammatory state in
their potential in the trea
of aqueous and methan
of the compound prepa
centrifuged at 3000 rpn
normal saline. The volu
normal saline. The rea
% v/v) with 200µl of e
Standard drug aspirin
HRBC suspension (10
were mixed in centrifu
centrifuged at 3000 rp
photometer at 560 nm.
aqueous and methanol
fectively. Moreover m
concentrations. The st
sess enough potential
studies are suggested.

Keywords Anti-in