

Chemical Composition of the Essential Oil of Citrus aurantium Isolated by Solvent Free Microwave Assisted Extraction and Hydrodistillation Extraction

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Abstract : Chemical composition of Citrus aurantium was studied by solvent free microwave extraction (SFME) and hydrodistillation (HD) methods. Limonene (76.06% SFME and 67.04% HD), Linalool (4.91% SFME and 10.08% HD) and Linalyl Acetate (8.52% SFME and 5.10% HD) were the major compounds that obtained by SFME and hydrodistillation, respectively.

Keywords : microwave-assisted, GC-MS, essential oils, hydrodistillation, citrus aurantium

Conference Title : ICCST 2015 : International Conference on Chemical Science and Technology

Conference Location : Venice, Italy

Conference Dates : August 13-14, 2015