**Figures used in Research Article**



**Figure 1. Chemical structure of Furfural**

  

 Figure 2 (a): Filter the date seed from solvent n-hexane Figure 2 (b): Simple Distillation



Figure 3. Carbon NMR of the Product



Figure 4. Proton NMR of the Product

**Tables used in article**

**Table 1. Fatty Acid percentage in the date seeds**

|  |  |
| --- | --- |
| **Type of Fatty Acids** | **Percentage** |
| Cbric acid | 0.7% |
| Carrinic acid | 0.5% |
| Lournic acid | 24.2% |
| Mirestic acid | 9.3% |
| Balmatic acid | 9.2% |
| Ualic/ilmic acid | 25.2% |
| Citric acid | 03.02% |

**Table 2. Percentage of Furfural extracted from the different parts of the Palm tree**

|  |  |
| --- | --- |
| **Palm Tree Part** | **Furfural percentage** |
| Dates' seeds | 30.00% |
| stem | 16.70% |
| Palm | 16.40% |
| Hmarich | 14.50% |
| Palm tree fiber | 12.70% |
| Palm tree trunk | 11.70% |
| Palm leaves | 08.50% |

**Table 3. Nutritional composition of the dates' seeds**

|  |  |
| --- | --- |
| **Substance** | **Percentage** |
| Carbohydrates | 62.51% |
| Fibers | 16.20% |
| Fats | 08.49% |
| Humidity | 06.46% |
| Salts | 00.50% |
| Protein | 00.22% |
| Others | 05.62% |