

***Extraction of Coconut Oil with the help of Hydraulic Press****:*

* *Ms. Anita S. Pansare*

*Open Education Resource*

**Productive Task:**

Removal of excess oil from dry coconut, with the help of hydraulic press mechanism

**Objective:**

1. To reduce fats, by removing excess oil from dry coconut.
2. Preparation of low fat coconut chikki

**Tools and material needed:**

Hydraulic press machine (manually operated), dry coconut, sharp Knife, bowl, plastic bottle, weighing machine.

**Procedure:**

|  |  |  |
| --- | --- | --- |
| **Step 1.** | Crush the dry coconut to make pieces. | C:\Users\Students\Desktop\Hydrolik press\IMG_20150107_115736.jpg |
| **Step 2.** | Fill the cylinder with the crushed coconut. | C:\Users\Students\Desktop\Hydrolik press\IMG_20150107_115926.jpg |
| **Step 3.** | Arrange the whole assembly of hydraulic press in order to get pressed the crushed coconut. | C:\Users\Students\Desktop\Hydrolik press\IMG_20150107_115943.jpg |
| **Step 4.** | Adjust the pressure and take care that pressure shouldn’t exceed 2000PSI. | C:\Users\Students\Desktop\Hydrolik press\IMG_20150107_113759.jpg |
| **Step 5.** | Manually press the pump to get the extracted oil. | C:\Users\Students\Desktop\Hydrolik press\IMG_20150107_113932.jpgC:\Users\Students\Desktop\Hydrolik press\IMG_20150107_113845.jpg |
| **Step 6.** | Fill the oil into the plastic bottle. | C:\Users\Students\Desktop\Hydrolik press\IMG_20150107_121503.jpg |

**Conclusion:**

From 1 Kg of coconut we got 350 ml. of pure coconut oil.