

# Imperialny witbier z hibiskusem i mango

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **27**
- SRM **3.3**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **16.5 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **5.3 liter(s)**
- Total mash volume **6.8 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **5.3 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **1 min** at **76C**
- Sparge using **12.7 liter(s)** of **76C** water or to achieve **16.5 liter(s)** of wort

## Fermentables

| Type    | Name                  | Amount       | Yield | EBC |
|---------|-----------------------|--------------|-------|-----|
| Adjunct | Pszenica niesłodowana | 1.5 kg (50%) | 75 %  | 3   |
| Grain   | Pilzneński            | 1.5 kg (50%) | 81 %  | 4   |

## Hops

| Use for | Name  | Amount | Time   | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil    | lunga | 20 g   | 30 min | 11 %       |

## Yeasts

| Name               | Type  | Form   | Amount | Laboratory       |
|--------------------|-------|--------|--------|------------------|
| FM20 Białe Walonki | Wheat | Liquid | 30 ml  | Fermentum Mobile |

## Extras

| Type      | Name          | Amount | Use for   | Time      |
|-----------|---------------|--------|-----------|-----------|
| Herb      | Hibiskus      | 50 g   | Boil      | 0 min     |
| flame'out |               |        |           |           |
| Herb      | Hibiskus      | 30 g   | Bottling  | ---       |
| Herbatka  |               |        |           |           |
| Flavor    | Pulpa z mango | 1800 g | Secondary | 14 day(s) |

|       |          |      |      |        |
|-------|----------|------|------|--------|
| Spice | Kolendra | 15 g | Boil | 15 min |
| Spice | Curacao  | 15 g | Boil | 15 min |