

# Tropical IIPA

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **66**
- SRM **3.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.9 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **29.3 liter(s)**

## Steps

- Temp **66 C**, Time **40 min**
- Temp **75 C**, Time **10 min**

## Mash step by step

- Heat up **22.8 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **40 min** at **66C**
- Keep mash **10 min** at **75C**
- Sparge using **16.6 liter(s)** of **76C** water or to achieve **32.9 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (76.9%)  | 80 %  | 5   |
| Grain | Płatki pszeniczne    | 1 kg (15.4%)  | 85 %  | 3   |
| Grain | Płatki owsiane       | 0.5 kg (7.7%) | 85 %  | 3   |

## Hops

| Use for             | Name                   | Amount | Time   | Alpha acid |
|---------------------|------------------------|--------|--------|------------|
| Boil                | Columbus/Tomahawk/Zeus | 30 g   | 60 min | 15.5 %     |
| Boil                | ekuanot                | 10 g   | 60 min | 13.1 %     |
| Boil                | ekuanot                | 20 g   | 25 min | 13.1 %     |
| Aroma (end of boil) | falconer's flight      | 30 g   | 0 min  | 10.7 %     |
| Aroma (end of boil) | Citra                  | 30 g   | 0 min  | 14.2 %     |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.5 g | ---        |

## Extras

| Type   | Name  | Amount | Use for | Time   |
|--------|-------|--------|---------|--------|
| Flavor | Mango | 1000 g | Boil    | 10 min |

|        |            |       |      |        |
|--------|------------|-------|------|--------|
| Flavor | Pomelo     | 500 g | Boil | 10 min |
| Flavor | Pomarańcza | 500 g | Boil | 10 min |
| Flavor | grejpfrut  | 500 g | Boil | 10 min |