

# Mango marakuja

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **18**
- SRM **4.5**

## Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **30.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **37 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **25.5 liter(s)**
- Total mash volume **34 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **25.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **0 min** at **78C**
- Sparge using **20 liter(s)** of **76C** water or to achieve **37 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (58.8%)   | 80 %  | 5   |
| Grain | Strzegom Pszeniczny  | 1.5 kg (17.6%) | 81 %  | 6   |
| Grain | Płatki pszeniczne    | 0.5 kg (5.9%)  | 60 %  | 3   |
| Grain | Płatki owsiane       | 0.5 kg (5.9%)  | 60 %  | 3   |
| Grain | Pilznieński          | 1 kg (11.8%)   | 81 %  | 4   |

## Hops

| Use for             | Name   | Amount | Time   | Alpha acid |
|---------------------|--------|--------|--------|------------|
| Boil                | Simcoe | 15 g   | 30 min | 12.6 %     |
| Aroma (end of boil) | Simcoe | 25 g   | 10 min | 12.6 %     |

## Yeasts

| Name  | Type | Form  | Amount | Laboratory |
|-------|------|-------|--------|------------|
| us-05 | Ale  | Slant | 200 ml | ---        |

## Extras

| Type   | Name        | Amount | Use for   | Time     |
|--------|-------------|--------|-----------|----------|
| Flavor | ksylitol    | 600 g  | Boil      | 10 min   |
| Flavor | Puree mango | 850 g  | Secondary | 7 day(s) |

|        |                |       |           |          |
|--------|----------------|-------|-----------|----------|
| Flavor | Puree marakuja | 850 g | Secondary | 7 day(s) |
|--------|----------------|-------|-----------|----------|