

# Owocowy West Coast

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **38**
- SRM **3.4**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

## Steps

- Temp **66 C**, Time **90 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **17.5 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **90 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **12.8 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name             | Amount     | Yield | EBC |
|-------|------------------|------------|-------|-----|
| Grain | Słód Pale Ale    | 2 kg (40%) | 80 %  | 4   |
| Grain | Słód Pilznieński | 3 kg (60%) | 81 %  | 3   |

## Hops

| Use for   | Name       | Amount | Time     | Alpha acid |
|-----------|------------|--------|----------|------------|
| Boil      | Centennial | 10 g   | 45 min   | 9.5 %      |
| Boil      | Cascade    | 40 g   | 15 min   | 7.1 %      |
| Boil      | Citra      | 20 g   | 15 min   | 12.9 %     |
| Whirlpool | Citra      | 30 g   | 0 min    | 12.9 %     |
| Dry Hop   | Citra      | 50 g   | 3 day(s) | 12.9 %     |
| Dry Hop   | Cascade    | 60 g   | 3 day(s) | 7.1 %      |
| Dry Hop   | Centennial | 40 g   | 3 day(s) | 9.5 %      |

## Yeasts

| Name        | Type | Form  | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| Safale S-05 | Ale  | Slant | 100 ml | ---        |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |                |        |           |          |
|--------|----------------|--------|-----------|----------|
| Flavor | Pulpa Mango    | 1700 g | Secondary | 7 day(s) |
| Flavor | Pulpa Marakuia | 1720 g | Secondary | 7 day(s) |