

# Wa-Grapefruit

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **11**
- SRM **4.4**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.6 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.6 liter(s)**
- Total mash volume **20.8 liter(s)**

## Steps

- Temp **66 C**, Time **70 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **15.6 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **66C**
- Keep mash **5 min** at **76C**
- Sparge using **18.2 liter(s)** of **76C** water or to achieve **28.6 liter(s)** of wort

## Fermentables

| Type  | Name               | Amount         | Yield | EBC |
|-------|--------------------|----------------|-------|-----|
| Grain | Pszeniczny         | 2.5 kg (48.1%) | 85 %  | 4   |
| Grain | Pilzneński         | 2.5 kg (48.1%) | 81 %  | 4   |
| Grain | Karmelowy Czerwony | 0.2 kg (3.8%)  | 75 %  | 59  |

## Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil    | Citra   | 15 g   | 20 min   | 12 %       |
| Dry Hop | Citra   | 25 g   | 7 day(s) | 12 %       |
| Dry Hop | Cascade | 25 g   | 7 day(s) | 6 %        |

## Yeasts

| Name                  | Type | Form   | Amount | Laboratory |
|-----------------------|------|--------|--------|------------|
| WLP067 - Coastal Haze | Ale  | Liquid | 70 ml  | White Labs |

## Extras

| Type   | Name                    | Amount | Use for | Time      |
|--------|-------------------------|--------|---------|-----------|
| Flavor | Koncentrat grejpfrutowy | 2000 g | Primary | 10 day(s) |

|       |          |        |         |           |
|-------|----------|--------|---------|-----------|
| Other | Ksylitol | 100 g  | Boil    | 5 min     |
| Other | Woda     | 2000 g | Primary | 10 day(s) |