

# CaraPils

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **26**
- SRM **3.8**
- Style **Classic American Pilsner**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **3 %**
- Size with trub loss **24.4 liter(s)**
- Boil time **65 min**
- Evaporation rate **7 %/h**
- Boil size **28 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.8 liter(s)**
- Total mash volume **26.4 liter(s)**

## Steps

- Temp **67 C**, Time **40 min**
- Temp **78 C**, Time **40 min**

## Mash step by step

- Heat up **19.8 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **40 min** at **67C**
- Keep mash **40 min** at **78C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **28 liter(s)** of wort

## Fermentables

| Type  | Name                     | Amount         | Yield  | EBC |
|-------|--------------------------|----------------|--------|-----|
| Grain | Castle Pilsen 2RS        | 1.85 kg (28%)  | 80.5 % | 4   |
| Grain | Weyermann - Pilsner Malt | 4 kg (60.6%)   | 81 %   | 3   |
| Grain | Weyermann - Carapils     | 0.5 kg (7.6%)  | 78 %   | 4   |
| Grain | Diastatyczny             | 0.25 kg (3.8%) | 80 %   | 4   |

## Hops

| Use for   | Name                  | Amount | Time   | Alpha acid |
|-----------|-----------------------|--------|--------|------------|
| Boil      | Marynka Gor.          | 25 g   | 40 min | 6.5 %      |
| Boil      | Sybilla Uniw.         | 20 g   | 20 min | 4.5 %      |
| Boil      | Saaz (Czech Republic) | 20 g   | 20 min | 4.4 %      |
| Whirlpool | Saaz (Czech Republic) | 30 g   | 20 min | 4.4 %      |

## Yeasts

| Name                                  | Type  | Form  | Amount | Laboratory |
|---------------------------------------|-------|-------|--------|------------|
| Mangrove Jack's M54 Californian Lager | Lager | Slant | 200 ml | ---        |

## Extras

| Type   | Name      | Amount | Use for | Time   |
|--------|-----------|--------|---------|--------|
| Fining | protafloc | 1 g    | Boil    | 15 min |