

# Wiewiórka

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- Gravity **17.1 BLG**
- ABV **7.3 %**
- IBU **16**
- SRM **6**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **38 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **33 liter(s)**
- Total mash volume **44 liter(s)**

## Steps

- Temp **65 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **33 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **30 min** at **65C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **16 liter(s)** of **76C** water or to achieve **38 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount        | Yield | EBC |
|-------|----------------------------|---------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt  | 6 kg (54.5%)  | 85 %  | 7   |
| Grain | Weyermann - Pilsner Malt   | 2 kg (18.2%)  | 81 %  | 5   |
| Grain | Weyermann pszeniczny jasny | 2 kg (18.2%)  | 80 %  | 6   |
| Grain | Płatki owsiane             | 0.5 kg (4.5%) | 60 %  | 3   |
| Grain | Płatki pszeniczne          | 0.5 kg (4.5%) | 60 %  | 3   |

## Hops

| Use for             | Name   | Amount | Time     | Alpha acid |
|---------------------|--------|--------|----------|------------|
| Boil                | Citra  | 20 g   | 30 min   | 12 %       |
| Aroma (end of boil) | Citra  | 30 g   | 5 min    | 12 %       |
| Dry Hop             | Citra  | 20 g   | 7 day(s) | 12 %       |
| Dry Hop             | Strata | 100 g  | 7 day(s) | 13.6 %     |
| Dry Hop             | Galaxy | 50 g   | 7 day(s) | 15 %       |

## Yeasts

| <b>Name</b>         | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|---------------------|-------------|-------------|---------------|-------------------|
| WLP066 - London Fog | Ale         | Liquid      | 140 ml        | White Labs        |