

# Earl Grey Witbier

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **15**
- SRM **3.3**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **12.5 liter(s)**
- Trub loss **4 %**
- Size with trub loss **13 liter(s)**
- Boil time **70 min**
- Evaporation rate **20 %/h**
- Boil size **16.5 liter(s)**

## Mash information

- Mash efficiency **79 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **8.9 liter(s)**
- Total mash volume **11.6 liter(s)**

## Steps

- Temp **68 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **8.9 liter(s)** of strike water to **75.3C**
- Add grains
- Keep mash **40 min** at **68C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **10.3 liter(s)** of **76C** water or to achieve **16.5 liter(s)** of wort

## Fermentables

| Type  | Name              | Amount         | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Pilzneński        | 1.5 kg (55.6%) | 81 %  | 4   |
| Grain | Płatki pszeniczne | 0.4 kg (14.8%) | 85 %  | 3   |
| Grain | Barley, Flaked    | 0.4 kg (14.8%) | 70 %  | 4   |
| Grain | Oats, Flaked      | 0.4 kg (14.8%) | 80 %  | 2   |

## Hops

| Use for | Name                  | Amount | Time   | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil    | Saaz (Czech Republic) | 20 g   | 60 min | 4 %        |

## Yeasts

| Name             | Type | Form | Amount | Laboratory |
|------------------|------|------|--------|------------|
| Brewferm Blanche | Ale  | Dry  | 5 g    | ---        |

## Extras

| Type  | Name     | Amount | Use for | Time   |
|-------|----------|--------|---------|--------|
| Spice | Kolendra | 10 g   | Boil    | 15 min |
| Spice | Curacao  | 10 g   | Boil    | 15 min |

|       |                   |      |           |          |
|-------|-------------------|------|-----------|----------|
| Spice | Bergamotka        | 10 g | Boil      | 15 min   |
| Spice | Herbata earl grey | 30 g | Secondary | 1 day(s) |