

# Earl Grey IPA

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **59**
- SRM **12.7**
- Style **Specialty Beer**

## Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **33 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **39.6 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **29.8 liter(s)**
- Total mash volume **38.3 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **29.8 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **76C**
- Sparge using **18.3 liter(s)** of **76C** water or to achieve **39.6 liter(s)** of wort

## Fermentables

| Type  | Name              | Amount        | Yield | EBC |
|-------|-------------------|---------------|-------|-----|
| Grain | Strzegom Pale Ale | 8 kg (94.1%)  | 79 %  | 6   |
| Grain | red crystal       | 0.5 kg (5.9%) | --- % | 400 |

## Hops

| Use for             | Name  | Amount | Time     | Alpha acid |
|---------------------|-------|--------|----------|------------|
| First Wort          | Citra | 20 g   | 120 min  | 13.5 %     |
| Boil                | Citra | 20 g   | 60 min   | 13.5 %     |
| Aroma (end of boil) | Citra | 20 g   | 20 min   | 13.5 %     |
| Aroma (end of boil) | Citra | 20 g   | 10 min   | 13.5 %     |
| Whirlpool           | Citra | 20 g   | 1 min    | 13.5 %     |
| Dry Hop             | Citra | 25 g   | 3 day(s) | 13.5 %     |
| Dry Hop             | Citra | 25 g   | 3 day(s) | 13.5 %     |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.5 g | Fermentis  |

## Extras

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

|       |                 |       |           |          |
|-------|-----------------|-------|-----------|----------|
| Herb  | earl grey tea   | 300 g | Secondary | 1 day(s) |
| Spice | trawa cytrynowa | 5 g   | Boil      | 5 min    |