

# Single Hops Citra #10

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **35**
- SRM **5.6**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Steps

- Temp **67.5 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **75.4C**
- Add grains
- Keep mash **60 min** at **67.5C**
- Keep mash **10 min** at **76C**
- Sparge using **21 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (83.3%)  | 80 %  | 5   |
| Grain | Viking Pilsner malt  | 0.5 kg (8.3%) | 82 %  | 4   |
| Grain | Karmelowy Czerwony   | 0.5 kg (8.3%) | 75 %  | 59  |

## Hops

| Use for   | Name       | Amount | Time     | Alpha acid |
|-----------|------------|--------|----------|------------|
| Boil      | Citra      | 15 g   | 60 min   | 12 %       |
| Boil      | Citra      | 15 g   | 20 min   | 12 %       |
| Boil      | Citra      | 25 g   | 0 min    | 12 %       |
| Whirlpool | Citra      | 25 g   | 30 min   | 12 %       |
| Dry Hop   | Cascade PL | 65 g   | 3 day(s) | 5.2 %      |

## Yeasts

| Name         | Type | Form  | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale  | Dry   | 11 g   | Fermentis  |
| Safale S-05  | Ale  | Slant | 300 ml | Fermentis  |

## Notes

- Warzenie 25.08.2021  
Fermentacja (burzliwa) 26 dni do rozlewu w dniu 20.09.2021  
W koniec fermentacji 17.09.2021 + chmielenie na zimno.  
Na 2 dni przed końcem Cold Crash na dworze (w nocy ok 5 stopni)  
Refermentacja 100g cukru białego.  
Wyszło 22 litry piwa.  
*Sep 22, 2021, 11:29 AM*