

# Cascadowa Citra

- Gravity **16.4 BLG**
- ABV **6.9 %**
- IBU **46**
- SRM **6.4**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.9 liter(s)**

## Mash information

- Mash efficiency **83 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **23.4 liter(s)**
- Total mash volume **31.2 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **23.4 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **1 min** at **78C**
- Sparge using **17.3 liter(s)** of **76C** water or to achieve **32.9 liter(s)** of wort

## Fermentables

| Type  | Name                             | Amount         | Yield | EBC |
|-------|----------------------------------|----------------|-------|-----|
| Grain | PALE ALE Optima                  | 2.7 kg (34.6%) | 80 %  | 7   |
| Grain | PALE ALE Bruntal - Raven Trading | 3 kg (38.5%)   | 80 %  | 7   |
| Grain | MONACHIUM JASNY Viking           | 1.5 kg (19.2%) | 78 %  | 18  |
| Grain | Platki owsiane                   | 0.6 kg (7.7%)  | 85 %  | 3   |

## Hops

| Use for             | Name             | Amount | Time     | Alpha acid |
|---------------------|------------------|--------|----------|------------|
| Boil                | Citra USA 2019   | 30 g   | 60 min   | 12.9 %     |
| Boil                | Cascade USA 2019 | 30 g   | 60 min   | 8 %        |
| Aroma (end of boil) | Citra USA 2019   | 20 g   | -5 min   | 12.9 %     |
| Aroma (end of boil) | Cascade USA 2019 | 20 g   | -5 min   | 8 %        |
| Dry Hop             | Citra USA 2019   | 50 g   | 7 day(s) | 12.9 %     |
| Dry Hop             | Cascade USA 2019 | 50 g   | 7 day(s) | 8 %        |

## Yeasts

| Name  | Type | Form  | Amount   | Laboratory |
|-------|------|-------|----------|------------|
| US-05 | Ale  | Slant | 97.13 ml | fermentis  |