

Citra&Simcoe

- Gravity **9.5 BLG**
- ABV ---
- IBU **39**
- SRM **4.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.7 liter(s)**
- Total mash volume **16.3 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **12.7 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **19.7 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale | 2.5 kg (68.9%) | 79 % | 6 |
| Grain | Strzegom Pilzniejszy | 0.8 kg (22%) | 80 % | 4 |
| Grain | Caramel/Crystal Malt - 10L | 0.1 kg (2.8%) | 75 % | 20 |
| Grain | Strzegom pszeniczny | 0.23 kg (6.3%) | 81 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|--------|--------|--------|------------|
| Boil | Citra | 5 g | 60 min | 13.5 % |
| Boil | Simcoe | 5 g | 60 min | 13.2 % |
| Boil | Citra | 5 g | 15 min | 13.5 % |
| Boil | Simcoe | 5 g | 15 min | 13.2 % |
| Boil | Citra | 10 g | 10 min | 13.5 % |
| Boil | Simcoe | 10 g | 10 min | 13.2 % |
| Boil | Citra | 20 g | 0 min | 13.5 % |
| Boil | Simcoe | 20 g | 0 min | 13.2 % |
| Whirlpool | Citra | 10 g | 0 min | 13.5 % |
| Whirlpool | Simcoe | 10 g | 0 min | 13.2 % |

| | | | | |
|---------|--------|------|----------|--------|
| Dry Hop | Citra | 30 g | 2 day(s) | 13.5 % |
| Dry Hop | Simcoe | 30 g | 2 day(s) | 13.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|--------|--------|------------------|
| FM52 Amerykański Sen | Ale | Liquid | 500 ml | Fermentum Mobile |