

Simcoe 2020 ver 1.0

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **108**
- SRM **9.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **11 liter(s)**
- Trub loss **9 %**
- Size with trub loss **12 liter(s)**
- Boil time **60 min**
- Evaporation rate **16 %/h**
- Boil size **16 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **11.9 liter(s)**
- Total mash volume **15.3 liter(s)**

Steps

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

Mash step by step

- Heat up **11.9 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **7.5 liter(s)** of **76C** water or to achieve **16 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------------|----------------|-------|-----|
| Grain | Viking Malt - Pale Ale | 2.5 kg (73.5%) | 80 % | 7 |
| Grain | Viking Malt - Słod pszeniczny | 0.5 kg (14.7%) | 80 % | 6 |
| Grain | Viking Malt - Karmelowy 150 | 0.25 kg (7.4%) | 80 % | 150 |
| Grain | Weyermann - Zakwaszający | 0.15 kg (4.4%) | 80 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------------------|--------|--------|------------|
| Boil | Simcoe (2020 - USA) | 10 g | 60 min | 12.4 % |
| Boil | Simcoe (2020 - USA) | 40 g | 20 min | 12.4 % |
| Boil | Simcoe (2020 - USA) | 50 g | 10 min | 12.4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------------|------|------|--------|------------|
| Gozdawa - Pure Ale Yeast 7 | Ale | Dry | 10 g | Gozdawa |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|---|---------|---------|--------|
| Fining | Whirfloc | 1 g | Boil | 5 min |
| Water Agent | MgSO4 | 6 g | Mash | 70 min |
| Water Agent | NaCl | 4 g | Mash | 70 min |
| Other | Woda olsztyńska (Nagórki) - zacieranie | 12000 g | Mash | 70 min |
| Other | Woda olsztyńska (Nagórki) - wyśładzanie | 10000 g | Mash | 70 min |