

Ipa

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **17**
- SRM **4.4**
- Style **Saison**

Batch size

- Expected quantity of finished beer **38 liter(s)**
- Trub loss **5 %**
- Size with trub loss **40.7 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **49.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **33 liter(s)**
- Total mash volume **44 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **33 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **27.7 liter(s)** of **76C** water or to achieve **49.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|----------------|-------|-----|
| Grain | Briess - Pale Ale Malt | 3 kg (27.3%) | 80 % | 7 |
| Grain | Pszeniczny | 2.5 kg (22.7%) | 85 % | 4 |
| Grain | Strzegom Pilzneński | 5 kg (45.5%) | 80 % | 4 |
| Grain | Płatki owsiane | 0.5 kg (4.5%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-----------|--------|----------|------------|
| Aroma (end of boil) | Citra | 30 g | 5 min | 12 % |
| Boil | Simcoe | 25 g | 15 min | 13.2 % |
| Aroma (end of boil) | Sabro | 30 g | 5 min | 14 % |
| Aroma (end of boil) | Centenial | 30 g | 0 min | 9 % |
| Dry Hop | Citra | 15 g | 4 day(s) | 12 % |
| Dry Hop | Centenial | 20 g | 4 day(s) | 9 % |
| Dry Hop | Ekuanot | 25 g | 4 day(s) | 14 % |
| Dry Hop | Sabro | 30 g | 4 day(s) | 14 % |
| Aroma (end of boil) | Citra | 20 g | 0 min | 12 % |

Yeasts

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Name | Type | Form | Amount | Laboratory |
|-------------|-------------|-------------|---------------|-------------------|
| US 05 | Ale | Slant | 230 ml | --- |