

Black Ipa Single Hop v1 Simcoe

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **67**
- SRM **33.2**
- Style **Black 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 **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.82 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24.4 liter(s)**

Steps

- Temp **65 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **73C**
- Add grains
- Keep mash **45 min** at **65C**
- Keep mash **15 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---|------------------------|----------------|-------|------|
| Grain | Płatki owsiane | 0.5 kg (7.8%) | 60 % | 3 |
| Grain | Viking Pale Ale malt | 3 kg (46.9%) | 80 % | 5 |
| Grain | Pilznieński | 1.5 kg (23.4%) | 81 % | 4 |
| Grain | Pszeniczny | 0.5 kg (7.8%) | 85 % | 4 |
| Po pierwszej przerwie dodac reszta ciemnych | | | | |
| Grain | Czekoladowy | 0.2 kg (3.1%) | 60 % | 650 |
| Grain | Strzegom Karmel 150 | 0.2 kg (3.1%) | 75 % | 150 |
| Grain | Weyermann - Carafa III | 0.5 kg (7.8%) | 70 % | 1024 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|----------|------------|
| Boil | Simcoe | 30 g | 60 min | 13.2 % |
| Boil | Simcoe | 30 g | 15 min | 13.2 % |
| Boil | Simcoe | 30 g | 5 min | 13.2 % |
| Boil | Simcoe | 30 g | 1 min | 13.2 % |
| Dry Hop | Simcoe | 50 g | 3 day(s) | 13.2 % |

Yeasts

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

Notes

- Słód Pale Chocolate
<https://twojbrowar.pl/pl/surowce-piwowarskie/slody/slod-pale-chocolate-1kg-thomas-fawcett>
Jan 10, 2023, 9:36 PM