

# Black IPA Świerkowa

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **52**
- SRM **31.6**
- Style **Black IPA**

## Batch size

- Expected quantity of finished beer **65 liter(s)**
- Trub loss **5 %**
- Size with trub loss **70.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **80.5 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **68.8 liter(s)**
- Total mash volume **86 liter(s)**

## Steps

- Temp **66 C**, Time **30 min**
- Temp **67 C**, Time **40 min**

## Mash step by step

- Heat up **68.8 liter(s)** of strike water to **71.8C**
- Add grains
- Keep mash **30 min** at **66C**
- Keep mash **40 min** at **67C**
- Sparge using **28.9 liter(s)** of **76C** water or to achieve **80.5 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount        | Yield | EBC  |
|-------|-----------------------------|---------------|-------|------|
| Grain | Pale Malt (2 Row) Bel       | 13 kg (75.6%) | 100 % | 6    |
| Grain | Strzegom Monachijski typ II | 2 kg (11.6%)  | 100 % | 22   |
| Grain | Carafa II                   | 1 kg (5.8%)   | 25 %  | 812  |
| Grain | Strzegom Karmel 600         | 0.6 kg (3.5%) | 25 %  | 601  |
| Grain | Strzegom Barwiący           | 0.6 kg (3.5%) | 25 %  | 1300 |

## Hops

| Use for             | Name    | Amount | Time     | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil                | Marynka | 60 g   | 60 min   | 10 %       |
| Boil                | Marynka | 40 g   | 40 min   | 10 %       |
| Aroma (end of boil) | Citra   | 100 g  | 0 min    | 12 %       |
| Aroma (end of boil) | Mosaic  | 100 g  | 0 min    | 10 %       |
| Dry Hop             | Citra   | 100 g  | 7 day(s) | 12 %       |
| Dry Hop             | Mosaic  | 100 g  | 7 day(s) | 10 %       |
| Boil                | Mosaic  | 30 g   | 60 min   | 10 %       |
| Boil                | Mosaic  | 60 g   | 40 min   | 10 %       |

## Yeasts

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

| Name   | Type | Form  | Amount | Laboratory |
|--------|------|-------|--------|------------|
| gęstwa | Ale  | Slant | 600 ml | ---        |