

# Zawiśnia czarny

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **25**
- SRM **37.4**
- Style **Sweet Stout**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

## Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

## Steps

- Temp **68.5 C**, Time **75 min**

## Mash step by step

- Heat up **24 liter(s)** of strike water to **76.6C**
- Add grains
- Keep mash **75 min** at **68.5C**
- Sparge using **9.7 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

## Fermentables

| Type  | Name                                   | Amount        | Yield | EBC |
|-------|--|---------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt              | 4 kg (50%)    | 85 %  | 7   |
| Grain | Monachijski typ II 20-25 EBC Weyermann | 2 kg (25%)    | 80 %  | 20  |
| Grain | Płatki owsiane                         | 0.5 kg (6.3%) | 85 %  | 3   |
| Grain | Fawcett - Brown                        | 0.5 kg (6.3%) | 72 %  | 180 |
| Grain | Fawcett - Pale Chocolate               | 0.4 kg (5%)   | 71 %  | 600 |
| Grain | Carafa II                              | 0.3 kg (3.8%) | 70 %  | 812 |
| Grain | orkiszowy, czekoladowy Weyermann       | 0.3 kg (3.8%) | 65 %  | 500 |

## Hops

| Use for | Name             | Amount | Time   | Alpha acid |
|---------|------------------|--------|--------|------------|
| Boil    | Styrian Cardinal | 30 g   | 60 min | 8.7 %      |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11.5 g | Safale     |

## Extras

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

| Type   | Name   | Amount | Use for   | Time      |
|--------|--------|--------|-----------|-----------|
| Flavor | wiśnie | 3500 g | Secondary | 14 day(s) |