

Wysłodziny po Świątecznym v2

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **2**
- SRM **14.9**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **6 liter(s)**
- Trub loss **5 %**
- Size with trub loss **6.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **7.6 liter(s)**

Mash information

- Mash efficiency **73 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **3.4 liter(s)**
- Total mash volume **4.4 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **15 min**

Mash step by step

- Heat up **3.4 liter(s)** of strike water to **74.1C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **15 min** at **76C**
- Sparge using **5.2 liter(s)** of **76C** water or to achieve **7.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--|-----------------|--------|------|
| Grain | Viking Pale Ale malt | 0.43 kg (35%) | 90 % | --- |
| Grain | Special B Malt | 0.04 kg (3.3%) | 65.2 % | 315 |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.03 kg (2.4%) | 73 % | 1001 |
| Grain | Strzegom Czekoladowy jasny | 0.03 kg (2.4%) | 80 % | 400 |
| Grain | Carafa Typ II | 0.03 kg (2.4%) | 80 % | --- |
| Grain | Carafa Typ III | 0.03 kg (2.4%) | 80 % | --- |
| Grain | Strzegom Wiedeński | 0.11 kg (8.9%) | 79 % | 10 |
| Grain | Płatki owsiane | 0.09 kg (7.3%) | 85 % | 3 |
| Grain | Castle Pale Ale | 0.21 kg (17.1%) | 80 % | 10 |
| Grain | Strzegom Karmel 150 | 0.03 kg (2.4%) | 75 % | 150 |
| Sugar | Milk Sugar (Lactose) | 0.2 kg (16.3%) | 76.1 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil | Simcoe | 1 g | 10 min | 13.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|-----------|------------|
| Safale US-05 | Ale | Slant | 214.29 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|------------------|--------|-----------|----------|
| Flavor | 6x espresso | 0.09 g | Secondary | 7 day(s) |
| Spice | Cynamon | 2.14 g | Boil | 10 min |
| Flavor | 4x laski wanilli | 0.09 g | Secondary | 7 day(s) |