

Whisky Porter

- Gravity **23.1 BLG**
- ABV ---
- IBU **39**
- SRM **47**
- Style **Baltic Porter**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **19.9 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.9 liter(s)**
- Total mash volume **29.2 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **21.9 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **50 min** at **62C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **5.3 liter(s)** of **76C** water or to achieve **19.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|------|
| Grain | Strzegom Wiedeński | 3.3 kg (45.2%) | 79 % | 8 |
| Grain | Strzegom Monachijski typ I | 1 kg (13.7%) | 79 % | 12 |
| Grain | Strzegom Karmel 300 | 0.5 kg (6.8%) | 70 % | 299 |
| Grain | Strzegom Karmel 600 | 0.25 kg (3.4%) | 68 % | 1300 |
| Grain | Jęczmień palony | 0.25 kg (3.4%) | 55 % | 985 |
| Grain | Słód owsiany Fawcett | 0.5 kg (6.8%) | 61 % | 5 |
| Grain | Casle Malting Whisky Nature | 1 kg (13.7%) | 85 % | --- |
| Grain | Płatki owsiane | 0.5 kg (6.8%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Sybilla | 40 g | 75 min | 6.5 % |
| Boil | Lublin (Lubelski) | 50 g | 15 min | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------------------|-------|-------|--------|------------|
| Saflager W 34/70 | Lager | Slant | 250 ml | Fermentis |
| Saflager W 34/70 | Lager | Dry | 11.5 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------|---|--------|-----------|----------|
| Other | płatki dębowe francuskie cream średnio palone | 5 g | Secondary | 7 day(s) |