

Porter

- Gravity **21.1 BLG**
- ABV **9.4 %**
- IBU **33**
- SRM **34.8**
- Style **Baltic Porter**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **50 min**
- Evaporation rate **10 %/h**
- Boil size **12.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **11 liter(s)**
- Total mash volume **15.4 liter(s)**

Steps

- Temp **52 C**, Time **5 min**
- Temp **62 C**, Time **25 min**
- Temp **72 C**, Time **45 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **11 liter(s)** of strike water to **58.4C**
- Add grains
- Keep mash **5 min** at **52C**
- Keep mash **25 min** at **62C**
- Keep mash **45 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **5.9 liter(s)** of **76C** water or to achieve **12.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--|-----------------|-------|-----|
| Grain | Strzegom Wiedeński | 1.75 kg (39.7%) | 79 % | 10 |
| Grain | Monachijski typ II 20-25 EBC Weyermann | 1 kg (22.7%) | 80 % | 20 |
| Grain | Strzegom Pilzneński | 1 kg (22.7%) | 80 % | 4 |
| Grain | Weyermann - Caraamber | 0.1 kg (2.3%) | 75 % | 65 |
| Grain | Special B Castle | 0.1 kg (2.3%) | 70 % | 350 |
| Grain | Weyermann Specjal W | 0.23 kg (5.2%) | 68 % | 300 |
| Grain | Chocolate Malt (UK) | 0.23 kg (5.2%) | 73 % | 887 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil | Magnum | 20 g | 30 min | 13.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|------------------|-------|-------|--------|-----------|
| Saflager W 34/70 | Lager | Slant | 180 ml | Fermentis |
|------------------|-------|-------|--------|-----------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|---------------------------------|--------|-----------|-----------|
| Flavor | Płatki dębowe Sherry Oloroso | 25 g | Secondary | 90 day(s) |