

Altbielitzer Porter

- Gravity **19.8 BLG**
- ABV **8.7 %**
- IBU **38**
- SRM **31.8**
- Style **Baltic Porter**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **27.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.6 liter(s) / kg**
- Mash size **23 liter(s)**
- Total mash volume **31.9 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **25 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **23 liter(s)** of strike water to **58.2C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **40 min** at **62C**
- Keep mash **25 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **13.5 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---|------------------------------------|----------------|--------|------|
| Grain | Weyermann - Wiedeński | 4.5 kg (50.8%) | 79 % | 9 |
| Grain | Strzegom Monachijski typ I | 2.5 kg (28.2%) | 79 % | 16 |
| Grain | Castlemalting Special B Malt | 1 kg (11.3%) | 65.2 % | 400 |
| Grain | Caraaroma | 0.25 kg (2.8%) | 78 % | 350 |
| Grain | Weyermann - Pszeniczny Czekoladowy | 0.05 kg (0.6%) | 73 % | 1000 |
| 0,5 kg maksymalnie 5 minut ziarno śrutowane | | | | |
| Grain | Fawcett - Pale Chocolate | 0.05 kg (0.6%) | 71 % | 600 |
| Grain | Płatki owsiane | 0.5 kg (5.6%) | 60 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Chinook | 25 g | 60 min | 13 % |

| | | | | |
|---------------------|-------|------|--------|-----|
| Boil | Perle | 25 g | 20 min | 7 % |
| Aroma (end of boil) | Perle | 25 g | 7 min | 7 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------------|-------|------|--------|------------|
| safelager W-34/70 | Lager | Dry | 23 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | mech irlandzki | 5 g | Boil | 30 min |