

Brown Porter

- Gravity **10.7 BLG**
- ABV ---
- IBU **28**
- SRM **22.9**
- Style **Brown Porter**

Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **21.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.1 liter(s)**
- Total mash volume **14.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (81.1%)	80 %	5
Grain	Strzegom Karmel 150	0.5 kg (13.5%)	75 %	150
Grain	Strzegom Czekoladowy ciemny	0.2 kg (5.4%)	68 %	1200

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	15 g	60 min	11 %
Boil	Oktawia	15 g	10 min	7.1 %

Yeasts

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