

POTTY PORTER

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **42**
- SRM **21.1**
- Style **Brown Porter**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4.5 kg (88.2%)	80 %	4
/ soufflet pale ale				
Grain	Słód Caramunich Typ II Weyermann	0.35 kg (6.9%)	73 %	120
użyć crystal 60L (150 EBC)				
Grain	Chocolate Malt (UK)	0.15 kg (2.9%)	73 %	1100
Grain	Weyermann - Carafa III	0.1 kg (2%)	70 %	1350
/barwiący				

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cluster	46.2 g	60 min	7.8 %
Boil	Willamette	30.8 g	5 min	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis