

PH 4 wielozbożowy

- Gravity **9 BLG**
- ABV **3.5 %**
- IBU **10**
- SRM **3.9**
- Style **Other Smoked Beer**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.9 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.8 liter(s)**
- Total mash volume **18.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Żytni	1.3 kg (28.3%)	85 %	8
Grain	Viking Pale Ale malt	2 kg (43.5%)	80 %	5
Grain	Słód owsiany Fawcett	0.8 kg (17.4%)	61 %	5
Grain	Acid Malt	0.5 kg (10.9%)	58.7 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amora preta	5 g	5 min	15 %
Boil	50	50 g	5 min	8 %