

PILS

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **32**
- SRM **4.5**
- Style **Classic American Pilsner**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.2 liter(s)**
- Total mash volume **23.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Stód Pilsner® 2,5-4,5 EBC Weyermann	4 kg (76.9%)	80 %	4
Grain	Weyermann - Carapils	0.2 kg (3.8%)	78 %	4
Grain	Strzegom Monachijski typ I	1 kg (19.2%)	79 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Willamette	50 g	60 min	5 %
Boil	Willamette	15 g	15 min	5 %
Boil	Willamette	25 g	5 min	5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Dry	11 g	Fermentis