

## #50

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- Gravity **9.8 BLG**
- ABV **3.8 %**
- IBU **41**
- SRM **4**
- Style **Classic American Pilsner**

### Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **35.4 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	4 kg (80%)	81 %	4
Grain	Strzegom Wiedeński	0.5 kg (10%)	79 %	10
Grain	Karmelowy Jasny 30EBC	0.5 kg (10%)	75 %	30

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	20 g	50 min	10.1 %
Boil	Mosaic	25 g	10 min	11.8 %
Boil	Amarillo	30 g	10 min	10.1 %
Boil	Mosaic	25 g	5 min	11.8 %

### Yeasts

Name	Type	Form	Amount	Laboratory
W34	Lager	Dry	11 g	fermentis