

Amerykański Pilsner

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **35**
- SRM **3.8**
- Style **Classic American Pilsner**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **10 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **14.9 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **7.5 liter(s)**
- Total mash volume **10.5 liter(s)**

Steps

- Temp **63 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **7.5 liter(s)** of strike water to **71.6C**
- Add grains
- Keep mash **60 min** at **63C**
- Keep mash **1 min** at **78C**
- Sparge using **10.4 liter(s)** of **76C** water or to achieve **14.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2.7 kg (90%)	81 %	4
Grain	Weyermann - Carapils	0.3 kg (10%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Centennial	10 g	60 min	10.5 %
Boil	Centennial	30 g	5 min	10.5 %
Boil	Centennial	30 g	1 min	10.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast 2308 Munich Lager	Lager	Slant	90 ml	Wyeast