

German Pils V2

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **43**
- SRM **4**
- Style **German Pilsner (Pils)**

Batch size

- Expected quantity of finished beer **33 liter(s)**
- Trub loss **5 %**
- Size with trub loss **34.6 liter(s)**
- Boil time **90 min**
- Evaporation rate **15 %/h**
- Boil size **46.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **29.1 liter(s)**
- Total mash volume **37.4 liter(s)**

Steps

- Temp **54 C**, Time **10 min**
- Temp **65 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **2 min**

Mash step by step

- Heat up **29.1 liter(s)** of strike water to **58.8C**
- Add grains
- Keep mash **10 min** at **54C**
- Keep mash **50 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **2 min** at **76C**
- Sparge using **25.7 liter(s)** of **76C** water or to achieve **46.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	7.5 kg (90.4%)	80 %	4
Grain	Strzegom Monachijski typ I	0.4 kg (4.8%)	79 %	16
Grain	Weyermann - Carapils	0.4 kg (4.8%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	47 g	90 min	7.9 %
Boil	Tradition	74 g	20 min	4.7 %
Aroma (end of boil)	Hersbrucker	50 g	10 min	2.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
WLP800 - Pilsner Lager Yeast	Lager	Slant	412.5 ml	White Labs

Notes

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

- Gęstość początkowa 11 brix
16.03- 5.4 brix, czyli 2.65 blg
29.03 - 5,4 brix, czyli 265 blg
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