

# Barley Wine

- Gravity **25.3 BLG**
- ABV **11.8 %**
- IBU **88**
- SRM **21.1**
- Style **English Barleywine**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **80 min**
- Evaporation rate **10 %/h**
- Boil size **19.6 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

## Steps

- Temp **66 C**, Time **30 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **24 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **30 min** at **66C**
- Keep mash **40 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **3.6 liter(s)** of **76C** water or to achieve **19.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	5 kg (62.5%)	80 %	7
Grain	Monachijski	2 kg (25%)	80 %	16
Grain	Cookie	0.5 kg (6.3%)	80 %	70
Grain	Strzegom Karmel 300	0.5 kg (6.3%)	70 %	299

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	50 g	50 min	15.5 %
Boil	Denali	50 g	10 min	14.2 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	10 g	Fermentis