

## Golden pale ale

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- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **9**
- SRM **6.4**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Steps

- Temp **53 C**, Time **15 min**
- Temp **70 C**, Time **60 min**

### Mash step by step

- Heat up **15 liter(s)** of strike water to **58.5C**
- Add grains
- Keep mash **15 min** at **53C**
- Keep mash **60 min** at **70C**
- Sparge using **17.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess DME - Golden Light	5 kg (100%)	80 %	12

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	10 g	60 min	8.7 %
Dry Hop	Lublin (Lubelski)	20 g	14 day(s)	2.8 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Us-05	Ale	Dry	11.5 g	Fermentis