

## #9BPale Ale

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- Gravity **11.9 BLG**
- ABV ---
- IBU **23**
- SRM **5**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **30 min**
- Evaporation rate **10 %/h**
- Boil size **28.9 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)**

### Steps

- Temp **67 C**, Time **60 min**

### Mash step by step

- Heat up **15 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **18.9 liter(s)** of **76C** water or to achieve **28.9 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	5 kg (100%)	81 %	6

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Golding	40 g	30 min	5 %
Boil	Golding	40 g	10 min	5 %
Boil	Golding	20 g	1 min	5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale