

## Tea American Pale Ale v2

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- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **66**
- SRM **6.6**
- 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 **8 %/h**
- Boil size **27.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.2 liter(s) / kg**
- Mash size **20.5 liter(s)**
- Total mash volume **26.9 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **20.5 liter(s)** of strike water to **75.5C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **1 min** at **78C**
- Sparge using **13.2 liter(s)** of **76C** water or to achieve **27.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6 kg (93.8%)	80 %	5
Grain	Weyermann Caramunich 3	0.2 kg (3.1%)	76 %	150
Grain	Weyermann - Carapils	0.2 kg (3.1%)	78 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	30 g	60 min	13.2 %
Boil	Simcoe	20 g	15 min	13.2 %
Aroma (end of boil)	Sabro	25 g	15 min	15 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Lallemand - American West Coast	Ale	Dry	11 g	Lallemand

### Extras

Type	Name	Amount	Use for	Time
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Water Agent	Gips	5 g	Mash	30 min
Fining	wirfloc	5 g	Boil	15 min
Water Agent	sól	4 g	Mash	30 min
Water Agent	kwask mlekowy 80	0.98 g	Mash	30 min