

## SESSION IPA

---

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **40**
- SRM **3.7**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.1 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **17.3 liter(s)**
- Total mash volume **22.6 liter(s)**

### Steps

- Temp **66 C**, Time **70 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **17.3 liter(s)** of strike water to **73C**
- Add grains
- Keep mash **70 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **19.1 liter(s)** of **76C** water or to achieve **31.1 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale	5 kg (95.2%)	80 %	5
Grain	Carapils	0.25 kg (4.8%)	78 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Strata	15 g	60 min	15.3 %
Boil	Strata	15 g	20 min	15.3 %
Boil	Strata	20 g	5 min	15.3 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM54 Gorączka kalifornijska	Ale	Liquid	30 ml	Fermentum Mobile