

## Session IPA

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- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **54**
- SRM **3.8**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **20.6 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.1 liter(s)**
- Total mash volume **14.8 liter(s)**

### Steps

- Temp **42 C**, Time **20 min**
- Temp **65 C**, Time **60 min**

### Mash step by step

- Heat up **11.1 liter(s)** of strike water to **45.7C**
- Add grains
- Keep mash **20 min** at **42C**
- Keep mash **60 min** at **65C**
- Sparge using **13.2 liter(s)** of **76C** water or to achieve **20.6 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.8 kg (75.7%)	80 %	5
Grain	Żytni	0.5 kg (13.5%)	85 %	8
Grain	Płatki owsiane	0.4 kg (10.8%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	20 g	60 min	10 %
Boil	Nelson Sauvín	15 g	25 min	11 %
Boil	Nelson Sauvín	15 g	15 min	11 %
Dry Hop	Mosaic	30 g	4 day(s)	10 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	10 g	Safale