

## Session IPA

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- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **55**
- SRM **3.5**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.3 liter(s)**

### Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **8.4 liter(s)**
- Total mash volume **11.2 liter(s)**

### Steps

- Temp **67 C**, Time **75 min**

### Mash step by step

- Heat up **8.4 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **75 min** at **67C**
- Sparge using **9.7 liter(s)** of **76C** water or to achieve **15.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale ale	2.8 kg (100%)	80 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	10 g	5 min	10 %
Boil	Columbus/Tomahawk/Zeus	10 g	60 min	15.5 %
Boil	Equinox	10 g	30 min	13.1 %
Dry Hop	Mosaic	30 g	7 day(s)	10 %
Dry Hop	Equinox	30 g	7 day(s)	13.1 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	110 ml	Fermentum Mobile