

## IPA - zacier

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- Gravity **17.2 BLG**
- ABV ---
- IBU ---
- SRM **8.6**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **10 %**
- Size with trub loss **11 liter(s)**
- Boil time **65 min**
- Evaporation rate **15 %/h**
- Boil size **12.8 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

### Steps

- Temp **64 C**, Time **60 min**
- Temp **76 C**, Time **0 min**

### Mash step by step

- Heat up **9 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **0 min** at **76C**
- Sparge using **6.8 liter(s)** of **76C** water or to achieve **12.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	2.5 kg (83.3%)	85 %	7
Grain	Briess - Carapils Malt	0.25 kg (8.3%)	74 %	3
Grain	Carared	0.25 kg (8.3%)	75 %	39

### Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Dry	10 g	Mangrove Jack's