

IPA

- Gravity **15.7 BLG**
- ABV **6.6 %**
- IBU **45**
- SRM **5.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **8 liter(s)**
- Trub loss **5 %**
- Size with trub loss **8.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **13 %/h**
- Boil size **10.6 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **8.4 liter(s)**
- Total mash volume **11.2 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **75 C**, Time **10 min**

Mash step by step

- Heat up **8.4 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **75C**
- Sparge using **5 liter(s)** of **76C** water or to achieve **10.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale	2.8 kg (100%)	79 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	15 g	60 min	10 %
Boil	Marynka	20 g	5 min	10 %
Aroma (end of boil)	Centennial	10 g	0 min	10.5 %
Dry Hop	Centennial	45 g	2 day(s)	10.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale