

xyz

- Gravity **18.9 BLG**
- ABV ---
- IBU **105**
- SRM **7.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **23.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **25.2 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **18.9 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **10.5 liter(s)** of **76C** water or to achieve **23.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale	5 kg (79.4%)	80 %	4
Grain	Monachijski	1 kg (15.9%)	80 %	16
Grain	Weyermann - Carapils	0.3 kg (4.8%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	35 g	60 min	13.2 %
Boil	simcoe	30 g	30 min	13.2 %
Boil	simcoe	35 g	15 min	13.2 %
Boil	Cascade	30 g	1 min	6.8 %
Dry Hop	Cascade	70 g	10 day(s)	6.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-05	Ale	Dry	11.5 g	Safale