

buuu

- Gravity **18.7 BLG**
- ABV **8.1 %**
- IBU **107**
- SRM **8.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.3 liter(s)**
- Total mash volume **15 liter(s)**

Steps

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

Mash step by step

- Heat up **11.3 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **5.2 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.5 kg (66.7%)	80 %	5
Grain	Strzegom Monachijski typ II	1 kg (26.7%)	79 %	22
Grain	Monachijski Ciemny Steinbach	0.25 kg (6.7%)	100 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	40 g	60 min	15.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
no name	Ale	Slant	50 ml	---