

FAUL

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **42**
- SRM **11**
- Style **Red IPA**

Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **31.4 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **30.4 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **78 C**, Time **15 min**

Mash step by step

- Heat up **22.8 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **15 min** at **78C**
- Sparge using **16.2 liter(s)** of **76C** water or to achieve **31.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6.5 kg (85.5%)	80 %	5
Grain	Weyermann - Carared	0.5 kg (6.6%)	75 %	45
Grain	Monachijski typ II 20-25 EBC Weyermann	0.5 kg (6.6%)	80 %	20
Grain	Jęczmień palony	0.1 kg (1.3%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	60 min	10 %
Boil	Centennial	20 g	30 min	10.5 %
Boil	Amarillo	30 g	15 min	9.5 %
Aroma (end of boil)	Centennial	50 g	0 min	10.5 %

Yeasts

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