

five o'clock IV

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **52**
- SRM **5.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21.9 liter(s)**
- Total mash volume **28.1 liter(s)**

Steps

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

Mash step by step

- Heat up **21.9 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **65C**
- Sparge using **12.2 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6 kg (96%)	80 %	5
Grain	cookie	0.25 kg (4%)	79 %	45

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	45 g	60 min	10.5 %
Boil	Citra	40 g	5 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Slant	250 ml	fermentis

Extras

Type	Name	Amount	Use for	Time
Spice	earl grey	120 g	Secondary	1 day(s)