

IPA_viking

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **44**
- SRM **5.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.8 liter(s)**
- Total mash volume **14.4 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **10.8 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **8.6 liter(s)** of **76C** water or to achieve **15.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (83.3%)	80 %	5
Grain	Monachijski	0.6 kg (16.7%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	Mosaic	15 g	60 min	10 %
Boil	Mosaic	15 g	15 min	10 %
Aroma (end of boil)	Mosaic	15 g	5 min	10 %
Dry Hop	Citra	30 g	7 day(s)	12.3 %
Dry Hop	Mosaic	15 g	7 day(s)	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	10 g	Fermentis