

Single Hop Citra IPA

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **46**
- SRM **3.9**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **2 min**

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **2 min** at **78C**
- Sparge using **15.2 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (90.9%)	80 %	5
Grain	Płatki owsiane	0.5 kg (9.1%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	15 g	45 min	13.9 %
Aroma (end of boil)	Citra	30 g	0 min	13.9 %
Whirlpool	Citra	55 g	30 min	13.9 %
Dry Hop	Citra	100 g	3 day(s)	13.4 %

Yeasts

Name	Type	Form	Amount	Laboratory
us 05	Ale	Dry	11.5 g	safale