

citra sh

- Gravity **12.6 BLG**
- ABV ---
- IBU **68**
- SRM **8.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **80 min**
- Evaporation rate **10 %/h**
- Boil size **27.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.2 liter(s)**
- Total mash volume **22.1 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **71 C**, Time **15 min**
- Temp **77 C**, Time **5 min**

Mash step by step

- Heat up **17.2 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **71C**
- Keep mash **5 min** at **77C**
- Sparge using **14.9 liter(s)** of **76C** water or to achieve **27.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	piłżeński	4 kg (81.6%)	79 %	4.5
Grain	Pszeniczny	0.2 kg (4.1%)	85 %	4
Grain	prażony	0.2 kg (4.1%)	80 %	120
Grain	Monachijski	0.5 kg (10.2%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	35 g	60 min	12 %
Boil	Citra	15 g	20 min	12 %
Aroma (end of boil)	Citra	15 g	10 min	12 %
Aroma (end of boil)	Citra	15 g	0 min	12 %
Dry Hop	Citra	50 g	7 day(s)	12 %

Yeasts

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

Extras

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

Type	Name	Amount	Use for	Time
Fining	Irish Moss	5 g	Boil	15 min
Water Agent	Calcium Chloride	4 g	Mash	80 min