

Citra APA

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **16**
- SRM **3.4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **21.6 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **13.1 liter(s)**
- Total mash volume **16.9 liter(s)**

Steps

- Temp **66 C**, Time **45 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **13.1 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **45 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **12.3 liter(s)** of **76C** water or to achieve **21.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilznieński	3.6 kg (96%)	81 %	4
Grain	Płatki pszeniczne	0.15 kg (4%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	50 g	5 min	12 %
Dry Hop	Citra	200 g	3 day(s)	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - American Ale	Ale	Slant	136 ml	Wyeast Labs

Extras

Type	Name	Amount	Use for	Time
Fining	mech irlandzki	3 g	Boil	10 min