

Citra Mosaic Cascade Oat APA

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **22**
- SRM **3.8**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

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

Mash step by step

- Heat up **18 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **19.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (66.7%)	80 %	5
Grain	Pszeniczny	1 kg (16.7%)	85 %	4
Grain	Płatki owsiane	1 kg (16.7%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	10 g	60 min	12 %
Boil	Citra	15 g	15 min	12 %
Boil	Cascade	10 g	15 min	6 %
Aroma (end of boil)	Mosaic	15 g	0 min	10 %
Aroma (end of boil)	Citra	25 g	0 min	12 %
Dry Hop	Citra	50 g	4 day(s)	12 %
Dry Hop	Mosaic	65 g	4 day(s)	10 %
Dry Hop	Cascade	40 g	4 day(s)	6 %

Yeasts

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