

Fusiowa APA

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **55**
- SRM **3.8**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **5 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **27 liter(s)**

Steps

- Temp **68 C**, Time **420 min**

Mash step by step

- Heat up **22.5 liter(s)** of strike water to **72.8C**
- Add grains
- Keep mash **420 min** at **68C**
- Sparge using **4.8 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2 kg (44.4%)	80 %	4
Grain	Viking Pale Ale malt	2 kg (44.4%)	80 %	5
Grain	Oats, Flaked	0.5 kg (11.1%)	80 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Whirlpool	Citra	50 g	30 min	12 %
Whirlpool	Mosaic	50 g	30 min	10 %
Dry Hop	Citra	50 g	1 day(s)	12 %
Dry Hop	Mosaic	50 g	1 day(s)	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM53 Voss kveik	Ale	Liquid	200 ml	Fermentum Mobile