

Pierwsze piwko 2

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **23**
- SRM **4.4**
- 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 **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Steps

- Temp **65 C**, Time **60 min**

Mash step by step

- Heat up **19.5 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Sparge using **18.7 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	5 kg (76.9%)	80 %	5
Grain	Jęczmień niesłodowany	0.5 kg (7.7%)	75 %	2
Grain	Płatki owsiane	0.5 kg (7.7%)	85 %	3
Grain	Monachijski	0.5 kg (7.7%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	30 g	30 min	11 %
Dry Hop	Oktawia	50 g	2 day(s)	9.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-33	Ale	Dry	11 g	Fermentis