

American Pale Ale

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **33**
- SRM **5.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.2 liter(s)**

Mash information

- Mash efficiency **67 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.6 liter(s)**
- Total mash volume **12.8 liter(s)**

Steps

- Temp **68 C**, Time **70 min**

Mash step by step

- Heat up **9.6 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **70 min** at **68C**
- Sparge using **6.8 liter(s)** of **76C** water or to achieve **13.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (93.8%)	80 %	5
Grain	Strzegom Monachijski typ I	0.2 kg (6.3%)	79 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus	10 g	60 min	12.6 %
Boil	Falconer's Flight	10 g	10 min	10.3 %
Dry Hop	Falconer's Flight	40 g	2 day(s)	10.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
Fermentis US-05	Ale	Dry	11 g	---

Extras

Type	Name	Amount	Use for	Time
Finning	Mech Irlandzki	2 g	Boil	15 min
Other	Łuska ryżowa	150 g	Mash	15 min