

Ametryn

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **63**
- SRM **5**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **73 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.2 liter(s)**
- Total mash volume **13.6 liter(s)**

Steps

- Temp **67 C**, Time **50 min**
- Temp **72 C**, Time **10 min**

Mash step by step

- Heat up **10.2 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **50 min** at **67C**
- Keep mash **10 min** at **72C**
- Sparge using **12.2 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2 kg (58.8%)	80 %	5
Grain	Monachijski	1 kg (29.4%)	80 %	16
Grain	Płatki pszeniczne	0.4 kg (11.8%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Centennial	28.8 g	60 min	10.5 %
Aroma (end of boil)	Centennial	28.8 g	10 min	10.5 %
Whirlpool	Centennial	28.8 g	0 min	10.5 %

Yeasts

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