

AIPA

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **34**
- SRM **6.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.5 liter(s)**
- Total mash volume **27.4 liter(s)**

Steps

- Temp **62 C**, Time **40 min**
- Temp **68 C**, Time **20 min**
- Temp **72 C**, Time **20 min**

Mash step by step

- Heat up **20.5 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **68C**
- Keep mash **20 min** at **72C**
- Sparge using **15.4 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (73%)	80 %	5
Grain	Strzegom Monachijski typ I	1.6 kg (23.4%)	79 %	16
Grain	Strzegom Karmel 30	0.25 kg (3.6%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	30 g	60 min	11 %
Whirlpool	Cascade PL	100 g	5 min	5.2 %
Dry Hop	Citra	50 g	5 day(s)	12 %
Dry Hop	Galaxy	50 g	5 day(s)	15 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Slant	200 ml	Fermentis