

PIPA

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **61**
- SRM **5.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **22.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.9 liter(s)**
- Total mash volume **21.2 liter(s)**

Steps

- Temp **67 C**, Time **60 min**

Mash step by step

- Heat up **15.9 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **12.2 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (94.3%)	80 %	5
Grain	Strzegom Karmel 30	0.3 kg (5.7%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	50 g	60 min	10 %
Whirlpool	Puławski	50 g	20 min	1 %
Whirlpool	zula	50 g	20 min	1 %
Dry Hop	zula	150 g	3 day(s)	8 %
Dry Hop	Puławski	50 g	3 day(s)	7.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	100 ml	Fermentis