

## #36 - PIPA

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **47**
- SRM **5.4**
- Style **American IPA**

### 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 **5 %/h**
- Boil size **30.2 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.7 liter(s) / kg**
- Mash size **24.1 liter(s)**
- Total mash volume **30.6 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

### Mash step by step

- Heat up **24.1 liter(s)** of strike water to **74.5C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **30.2 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (76.9%)	80 %	5
Grain	Strzegom Monachijski typ II	1 kg (15.4%)	79 %	22
Grain	Strzegom Pszeniczny	0.5 kg (7.7%)	81 %	6

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	30 g	60 min	11.5 %
Boil	Magnum	30 g	20 min	11.5 %
Boil	Cascade PL	20 g	1 min	4 %
Dry Hop	Cascade PL	20 g	7 day(s)	4 %
Dry Hop	Cascade PL	20 g	4 day(s)	4 %

### Yeasts

Name	Type	Form	Amount	Laboratory
WLP090 - San Diego Super Yeast	Ale	Slant	100 ml	White Labs