

# IPAPL styczniowa

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- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **47**
- SRM **4.2**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.9 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

## Steps

- Temp **66 C**, Time **90 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **90 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **17.9 liter(s)** of **76C** water or to achieve **31.9 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.5 kg (50%)	80 %	5
Grain	Strzegom Pilzneński	3.5 kg (50%)	80 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	30 g	55 min	12 %
Boil	Marynka	60 g	10 min	10 %
Dry Hop	Citra	70 g	6 day(s)	12 %
Dry Hop	Mosaic	50 g	6 day(s)	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Dry	15 g	Mangrove Jack's