

# Polska AIPA

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- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **42**
- SRM **7.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

## Steps

- Temp **65 C**, Time **30 min**
- Temp **71 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **16.2 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **30 min** at **65C**
- Keep mash **30 min** at **71C**
- Keep mash **5 min** at **78C**
- Sparge using **14.5 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.4 kg (63%)	80 %	7
Grain	Pilzński	1.7 kg (31.5%)	81 %	4
Grain	Strzegom Karmel 150	0.3 kg (5.6%)	75 %	150

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lubelski	20 g	60 min	5 %
Aroma (end of boil)	Chinook	35 g	10 min	13 %
Aroma (end of boil)	Citra	50 g	5 min	12 %

## Yeasts

Name	Type	Form	Amount	Laboratory
gęstwa	Ale	Slant	200 ml	własne