

## Polska IPA 2.0

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- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU ---
- SRM **9.6**
- 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

### Steps

- Temp **52 C**, Time **10 min**
- Temp **65 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **0 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **50 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **13.3 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	5.5 kg (91.7%)	80 %	5
Grain	Strzegom Karmel 150	0.5 kg (8.3%)	75 %	150

### Hops

Use for	Name	Amount	Time	Alpha acid
Mash	lunga	25 g	10 min	12.9 %
Mash	Oktawia	25 g	30 min	7.1 %
Mash	Puławski	25 g	50 min	8.9 %
Dry Hop	Oktawia	25 g	10 day(s)	7.1 %
Dry Hop	Puławski	25 g	10 day(s)	8.9 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa Pure Ale Yeast 7	Ale	Dry	10 g	Gozdawa