

# malinowies IPA

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- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **9**
- SRM **5.6**
- 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 **3.2 liter(s) / kg**
- Mash size **20 liter(s)**
- Total mash volume **26.3 liter(s)**

## Steps

- Temp **68 C**, Time **40 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **20 liter(s)** of strike water to **75.5C**
- Add grains
- Keep mash **40 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **11.6 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	4.5 kg (71.9%)	81 %	5
Grain	Castle Malting owsiany	1 kg (16%)	85 %	5
Grain	Płatki owsiane	0.5 kg (8%)	85 %	3
Grain	Biscuit Malt	0.26 kg (4.2%)	79 %	45

## Hops

Use for	Name	Amount	Time	Alpha acid
Whirlpool	Equinox	30 g	10 min	13.1 %
Dry Hop	Mosaic	50 g	10 day(s)	10 %
Whirlpool	Citra	10 g	10 min	12 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	500 ml	Fermentis

## Extras

Type	Name	Amount	Use for	Time
Flavor	malina mrożona	3100 g	Boil	15 min