

# ZOMBIEWAR IPA

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- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **31**
- SRM **3.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 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 **69 C**, Time **60 min**
- Temp **73 C**, Time **20 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **60 min** at **69C**
- Keep mash **20 min** at **73C**
- Keep mash **1 min** at **78C**
- Sparge using **17.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (71.4%)	80 %	4
Grain	Płatki pszeniczne	1 kg (14.3%)	60 %	3
Grain	Płatki orkiszowe	1 kg (14.3%)	60 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Puławski	50 g	60 min	7.3 %
Whirlpool	ZOMBIE	100 g	---	9.5 %
Dry Hop	ZOMBIE	100 g	3 day(s)	9.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - 1318 London Ale III	Ale	Slant	100 ml	Wyeast