

# IPA Nowe Otwarcie

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **44**
- SRM **4.2**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **1 %**
- Size with trub loss **20.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **23.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.2 liter(s)**
- Total mash volume **22.1 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**

## Mash step by step

- Heat up **17.2 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **11.2 liter(s)** of **76C** water or to achieve **23.5 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4.7 kg (95.9%)	80 %	5
Grain	Płatki owsiane	0.2 kg (4.1%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	20 g	30 min	12 %
Boil	Amarillo	20 g	15 min	9.5 %
Boil	Simcoe	20 g	5 min	13.2 %
Boil	Mosaic	25 g	5 min	10 %
Dry Hop	Citra	50 g	5 day(s)	12 %

## Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	20 g	Fermentis