

## NE IPA

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- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **40**
- SRM **4.4**
- Style **English 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 **65 C**, Time **60 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- 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	4 kg (66.7%)	80 %	5
Grain	Pszeniczny	1 kg (16.7%)	85 %	4
Grain	Płatki pszeniczne	0.5 kg (8.3%)	60 %	3
Grain	Płatki owsiane	0.5 kg (8.3%)	60 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Oktawia	40 g	60 min	7.9 %
Boil	Citra	10 g	15 min	12 %
Boil	Oktawia	10 g	5 min	7.9 %
Dry Hop	Citra	90 g	7 day(s)	12 %
Dry Hop	Centennial	50 g	4 day(s)	10.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale K-97	Ale	Dry	11.5 g	Fermentis