

# NE Imperial IPA

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **41**
- SRM **4.3**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **22 %/h**
- Boil size **14 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.3 liter(s)**
- Total mash volume **12.4 liter(s)**

## Steps

- Temp **63 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **9.3 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **45 min** at **63C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **7.8 liter(s)** of **76C** water or to achieve **14 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2.05 kg (66%)	81 %	4
Grain	Viking Pale Ale malt	0.55 kg (17.7%)	90 %	5
Grain	Płatki owsiane	0.506 kg (16.3%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Whirlpool	Mosaic	25 g	30 min	11.3 %
Whirlpool	Citra	25 g	30 min	12.9 %
Dry Hop	Citra	25 g	4 day(s)	12.9 %
Dry Hop	Mosaic	25 g	4 day(s)	11.3 %
Dry Hop	Amarillo	25 g	4 day(s)	8.9 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM10 O czym szumią wierzby	Ale	Slant	70 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Water Agent	Gips piwowarski	3 g	Mash	60 min