

## nowa IPA

- Gravity **15 BLG**
- ABV ---
- IBU **54**
- SRM **4.1**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 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 **62 C**, Time **90 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **15 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **90 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **15.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pilsen Malt	4 kg (66.7%)	80.5 %	2
Grain	Pale Malt (2 Row) Bel	2 kg (33.3%)	80 %	6

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	10 g	30 min	10 %
Boil	Citra	10 g	30 min	12 %
Boil	Palisade	10 g	30 min	7.5 %
Aroma (end of boil)	Mosaic	30 g	10 min	10 %
Aroma (end of boil)	Citra	30 g	10 min	12 %
Aroma (end of boil)	Palisade	30 g	10 min	7.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa Pure Ale Yeast 7	Ale	Dry	11 g	---