

## #Sowa 41 - IPA

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **71**
- SRM **4.3**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.2 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **24.8 liter(s)**

### Steps

- Temp **66 C**, Time **60 min**
- Temp **73 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **18.9 liter(s)** of strike water to **73.2C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **73C**
- Keep mash **5 min** at **78C**
- Sparge using **12.7 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.5 kg (42.4%)	80 %	5
Grain	Pszeniczny	0.5 kg (8.5%)	85 %	4
Grain	Pilznieński	2.5 kg (42.4%)	81 %	4
Grain	Płatki pszeniczne	0.4 kg (6.8%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	Mosaic	25 g	60 min	12.3 %
Boil	Simcoe	40 g	30 min	12.1 %
Aroma (end of boil)	Simcoe	30 g	0 min	12.1 %
Dry Hop	Motueka	50 g	5 day(s)	8 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis