

## Sour IPA #2

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **13**
- SRM **5.2**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **22.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **29.8 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

### Steps

- Temp **67 C**, Time **60 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **17.8 liter(s)** of **76C** water or to achieve **29.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	6 kg (100%)	85 %	7

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	20 g	60 min	7.5 %
Aroma (end of boil)	Centennial	50 g	0 min	10.5 %
Aroma (end of boil)	Cascade	50 g	0 min	6 %
Dry Hop	Centennial	50 g	2 day(s)	10.5 %
Dry Hop	Cascade	50 g	2 day(s)	6 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	200 ml	Fermentum Mobile

### Extras

Type	Name	Amount	Use for	Time
Other	kwas mlekowy	50 g	Bottling	---