

Kelnerka - Session New England IPA - Sour Singel pilsner

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **35**
- SRM **3.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **16.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **15 liter(s)**

Steps

- Temp **64 C**, Time **60 min**

Mash step by step

- Heat up **12 liter(s)** of strike water to **69.5C**
- Add grains
- Keep mash **60 min** at **64C**
- Sparge using **7.2 liter(s)** of **76C** water or to achieve **16.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Bohemian Pilsner Malt	2 kg (66.7%)	81 %	4
Grain	Płatki owsiane	1 kg (33.3%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	15 g	60 min	13.2 %
Aroma (end of boil)	Mosaic	45 g	0 min	13.2 %

Yeasts

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