

Utopiec

- Gravity **10 BLG**
- ABV **4 %**
- IBU **37**
- SRM **6.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **0 %**
- Size with trub loss **20 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.2 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4.2 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **18.2 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **14.7 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **13 liter(s)** of **76C** water or to achieve **24.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	1 kg (28.6%)	81 %	5
Grain	Weyermann - Municher Malt	2.5 kg (71.4%)	80 %	18

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Nelson Sauvín NZ	20 g	60 min	11.2 %
Aroma (end of boil)	Nelson Sauvín NZ	30 g	5 min	11.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis