

Eksperyment #1

- Gravity **10 BLG**
- ABV ---
- IBU **33**
- SRM **5.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.8 liter(s)**
- Total mash volume **16.4 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **75 C**, Time **1 min**

Mash step by step

- Heat up **12.8 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **1 min** at **75C**
- Sparge using **16.2 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3.65 kg (100%)	85 %	7

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	12 g	45 min	9.5 %
Boil	Amarillo	12 g	30 min	9.5 %
Boil	Amarillo	12 g	15 min	9.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	10.5 g	Fermentis