

Apka

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **42**
- SRM **7.3**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **20 %**
- Size with trub loss **24 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **29.9 liter(s)**

Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **33 liter(s)**
- Total mash volume **44 liter(s)**

Steps

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

Mash step by step

- Heat up **33 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **7.9 liter(s)** of **76C** water or to achieve **29.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	soufflet pale ale	8 kg (72.7%)	60 %	7
Grain	soufflet pilzneński	3 kg (27.3%)	60 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	50 g	60 min	8.9 %
Aroma (end of boil)	Nelson Sauvín	60 g	1 min	9.9 %

Yeasts

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