

#26 full pale ale

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **32**
- SRM **3.9**
- 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Steps

- Temp **72 C**, Time **45 min**

Mash step by step

- Heat up **12 liter(s)** of strike water to **80.7C**
- Add grains
- Keep mash **45 min** at **72C**
- Sparge using **17.3 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	4 kg (100%)	85 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	20 g	60 min	11.7 %
Aroma (end of boil)	Citra	15 g	5 min	12 %
Dry Hop	Citra	15 g	3 day(s)	12 %

Yeasts

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