

BA Pale Ale

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **37**
- SRM **4.6**

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 **3.25 liter(s) / kg**
- Mash size **13 liter(s)**
- Total mash volume **17 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **13 liter(s)** of strike water to **75.4C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **0 min** at **76C**
- Sparge using **16.3 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	3.8 kg (95%)	85 %	7
Grain	Carahell	0.2 kg (5%)	77 %	26

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	UK Pionieer	30 g	60 min	8.8 %
Boil	UK Epic	20 g	15 min	4.1 %
Boil	EU Epic	10 g	5 min	4.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale