

BA Bitter 10

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **75**
- SRM **9**
- Style **Special/Best/Premium Bitter**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **22.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.6 liter(s) / kg**
- Mash size **13 liter(s)**
- Total mash volume **16.6 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **13 liter(s)** of strike water to **74.6C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **1 min** at **76C**
- Sparge using **13.5 liter(s)** of **76C** water or to achieve **22.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3.2 kg (88.9%)	85 %	7
Grain	Weyermann - Light Munich Malt	0.25 kg (6.9%)	82 %	14
Grain	Caraaroma	0.15 kg (4.2%)	78 %	400

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Comet	20 g	5 min	8.8 %
Boil	Comet	10 g	50 min	8.8 %
Boil	Warrior	10 g	50 min	15.5 %
Boil	Warrior	20 g	60 min	15.5 %

Yeasts

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