

Imperial IPA

- Gravity **20.2 BLG**
- ABV **8.9 %**
- IBU **122**
- SRM **6.5**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Steps

- Temp **62 C**, Time **60 min**
- Temp **72 C**, Time **45 min**
- Temp **82 C**, Time **15 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **60 min** at **62C**
- Keep mash **45 min** at **72C**
- Keep mash **15 min** at **82C**
- Sparge using **11.3 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	7 kg (100%)	85 %	7

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Enigma (AUS)	30 g	60 min	17.2 %
Boil	Galaxy	60 g	30 min	15 %
Boil	Galaxy	30 g	15 min	15 %

Yeasts

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