

Imperial Porter

- Gravity **18.7 BLG**
- ABV **8.1 %**
- IBU **36**
- SRM **44.6**
- Style **Robust Porter**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss --- %
- Size with trub loss **15 liter(s)**
- Boil time **90 min**
- Evaporation rate --- %/h
- Boil size --- **liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **67.2 C**, Time **60 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **75.1C**
- Add grains
- Keep mash **60 min** at **67.2C**
- Sparge using **-12 liter(s)** of **76C** water

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale	4.5 kg (75%)	80 %	7
Grain	Special B Malt	0.5 kg (8.3%)	65.2 %	425
Grain	Caraamber	0.25 kg (4.2%)	75 %	79
Grain	black castle	0.25 kg (4.2%)	--- %	1300
Grain	Caramel/Crystal Malt - 120L	0.5 kg (8.3%)	72 %	300

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	30 g	90 min	4.5 %
Boil	Brewers Gold	20 g	60 min	7.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Dry	23.57 g	Danstar