

#Double IPA (02.2020)

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **64**
- SRM **5.8**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **74 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **19.6 liter(s)**

Steps

- Temp **68 C**, Time **70 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **14 liter(s)** of strike water to **77.6C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **1 min** at **78C**
- Sparge using **10.6 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3.9 kg (69.6%)	79 %	6
Grain	Pszeniczny	1 kg (17.9%)	85 %	4
Grain	Oats, Flaked	0.4 kg (7.1%)	80 %	2
Grain	Rye Malt	0.3 kg (5.4%)	63 %	10

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	40 g	60 min	13.5 %