

Smooth Double IPA

- Gravity **19.8 BLG**
- ABV **8.7 %**
- IBU **104**
- SRM **7.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **13 liter(s)**
- Trub loss **5 %**
- Size with trub loss **14.3 liter(s)**
- Boil time **65 min**
- Evaporation rate **15 %/h**
- Boil size **18.1 liter(s)**

Mash information

- Mash efficiency **58 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.5 liter(s)**
- Total mash volume **28.7 liter(s)**

Steps

- Temp **62 C**, Time **55 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **21.5 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **55 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **3.8 liter(s)** of **76C** water or to achieve **18.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	3.58 kg (49.9%)	81 %	5
Grain	Weyermann - Vienna Malt	1.43 kg (19.9%)	81 %	8
Grain	Weyermann - Carapils	0.72 kg (10%)	78 %	4
Grain	Weyermann - Pale Wheat Malt	0.72 kg (10%)	85 %	5
Grain	Płatki owsiane	0.72 kg (10%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	Galaxy	43 g	65 min	15 %
Boil	Galaxy	43 g	5 min	15 %
Dry Hop	Galaxy	43 g	3 day(s)	15 %
Dry Hop	Galaxy	43 g	3 day(s)	15 %