

Double IPA

- Gravity **17.3 BLG**
- ABV **7.4 %**
- IBU **46**
- SRM **6.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.3 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **24.1 liter(s)**

Steps

- Temp **72 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **16.8 liter(s)** of strike water to **83.3C**
- Add grains
- Keep mash **60 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **16.9 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	piłżeński	6.65 kg (91.1%)	80 %	7
Grain	Płatki jęczmienne	0.65 kg (8.9%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	60 min	7.1 %
Boil	Nelson Sauvignon	30 g	20 min	11.1 %
Dry Hop	Nelson Sauvignon	30 g	4 day(s)	11.1 %
Boil	Amarillo	30 g	10 min	9.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Fining	whirfloc	1 g	Boil	15 min