

IIPA

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **43**
- SRM **5.9**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **11.5 liter(s)** of **76C** water or to achieve **23.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Monachijski typ II	1 kg (16.7%)	79 %	22
Grain	Strzegom Pilzneński	5 kg (83.3%)	80 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	17 g	60 min	13.5 %
Boil	Columbus/Tomahawk/Zeus	8 g	60 min	15.5 %
Aroma (end of boil)	Columbus/Tomahawk/Zeus	20 g	5 min	15.5 %
Dry Hop	Columbus/Tomahawk/Zeus	40 g	5 day(s)	15.5 %
Dry Hop	Citra	20 g	5 day(s)	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	---