

Imperial ipa

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **108**
- SRM **10.4**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **64 C**, Time **50 min**
- Temp **72 C**, Time **10 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **50 min** at **64C**
- Keep mash **10 min** at **72C**
- Sparge using **11.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	6.5 kg (92.9%)	79 %	6
Grain	Karmelowy żytni Strzegom	0.5 kg (7.1%)	75 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	50 g	60 min	7.8 %
Boil	Magnat	50 g	60 min	11.2 %
Boil	Lublin (Lubelski)	50 g	30 min	4.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa - Pure Ale Yeast 7	Ale	Dry	20 g	Gozdawa

Extras

Type	Name	Amount	Use for	Time
Spice	Trawa cytrynowa	20 g	Boil	30 min