

## Earl Grey IPA

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **51**
- SRM **5.4**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **26.9 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.6 liter(s)**
- Total mash volume **20.8 liter(s)**

### Steps

- Temp **67 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **15.6 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **16.5 liter(s)** of **76C** water or to achieve **26.9 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4 kg (76.9%)	79 %	6
Grain	Strzegom Monachijski typ I	1 kg (19.2%)	79 %	16
Grain	Płatki owsiane	0.2 kg (3.8%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	20 g	60 min	11 %
Boil	Citra	30 g	20 min	13.5 %
Aroma (end of boil)	Citra	20 g	0 min	13.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	6 g	Fermentis

### Extras

Type	Name	Amount	Use for	Time
Flavor	Earl Grey	50 g	Secondary	1 day(s)

Flavor	Trawa cytrynowa	10 g	Boil	10 min
Fining	Irish Moss	5 g	Boil	15 min