

## #17 Irish red ale

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- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **25**
- SRM **10.3**
- Style **Irish Red Ale**

### 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 **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.1 liter(s)**
- Total mash volume **20.2 liter(s)**

### Steps

- Temp **66 C**, Time **60 min**
- Temp **76 C**, Time **0 min**

### Mash step by step

- Heat up **15.1 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **0 min** at **76C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3.5 kg (69.3%)	79 %	6
Grain	Strzegom Monachijski typ I	1 kg (19.8%)	79 %	16
Grain	Strzegom Red Ale	0.5 kg (9.9%)	75 %	60
Grain	Jęczmień palony	0.05 kg (1%)	55 %	985

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	60 min	6.8 %
Boil	East Kent Goldings	25 g	20 min	4 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	300 ml	Fermentis