

# Irish Red Ale

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- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **18**
- SRM **11.3**
- Style **Irish Red Ale**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **10 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.4 liter(s) / kg**
- Mash size **8.5 liter(s)**
- Total mash volume **11 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **8.5 liter(s)** of strike water to **73.9C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **1 min** at **76C**
- Sparge using **7.2 liter(s)** of **76C** water or to achieve **13.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.3 kg (92%)	80 %	5
Grain	Karmelowy Czerwony	0.15 kg (6%)	75 %	59
Grain	Jęczmień palony	0.05 kg (2%)	55 %	985

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	15 g	60 min	5.1 %
Whirlpool	Perle	10 g	5 min	7 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - Windsor Ale	Ale	Dry	11 g	Danstar

## Extras

Type	Name	Amount	Use for	Time
Fining	Whirflock	5 g	Boil	5 min