

Irish red

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **28**
- SRM **15.1**
- Style **Irish Red Ale**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **23.3 liter(s)**
- Total mash volume **29.9 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **23.3 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **12.4 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (75.2%)	75 %	5
Grain	Red Active Viking	1 kg (15%)	80 %	35
Grain	Jęczmień palony	0.15 kg (2.3%)	55 %	985
Grain	Red ale viking	0.25 kg (3.8%)	75 %	70
Grain	Cara Ruby Castle	0.25 kg (3.8%)	72 %	49

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	10 %
Boil	East Kent Goldings	20 g	30 min	5.1 %
Boil	East Kent Goldings	15 g	10 min	5.1 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
Fining	Compac CG	1 g	Boil	10 min