

RED ALE

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **18**
- SRM **14**
- Style **Irish Red Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **33.1 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.9 liter(s)**
- Total mash volume **23 liter(s)**

Steps

- Temp **67 C**, Time **65 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **17.9 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **65 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **20.3 liter(s)** of **76C** water or to achieve **33.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Maris Otter Crisp	3 kg (58.7%)	83 %	6
Grain	Strzegom Monachijski typ II	1.5 kg (29.4%)	79 %	22
Grain	Strzegom Karmel 150	0.5 kg (9.8%)	75 %	150
Grain	Jęczmień palony	0.11 kg (2.2%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Admiral	10 g	60 min	14.3 %
Boil	East Kent Goldings	25 g	10 min	5.1 %

Yeasts

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