

Red American Pills

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **26**
- SRM **15.7**
- 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.7 liter(s)**
- Total mash volume **21 liter(s)**

Steps

- Temp **53 C**, Time **10 min**
- Temp **63 C**, Time **30 min**
- Temp **72 C**, Time **20 min**

Mash step by step

- Heat up **15.7 liter(s)** of strike water to **58.5C**
- Add grains
- Keep mash **10 min** at **53C**
- Keep mash **30 min** at **63C**
- Keep mash **20 min** at **72C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	3 kg (57.3%)	81 %	5
Grain	Caramunich® typ I	0.5 kg (9.5%)	73 %	80
Grain	Strzegom Barwiący	0.04 kg (0.8%)	68 %	1200
Grain	Red ale	1 kg (19.1%)	70 %	50
Grain	Special B Malt	0.2 kg (3.8%)	65.2 %	315
Grain	Viking Pale Ale malt	0.5 kg (9.5%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zeus/Collumbus	15 g	60 min	15.1 %
Boil	Zeus/Collumbus	10 g	1 min	15.1 %
Dry Hop	Palisade	50 g	0 day(s)	7.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Slant	200 ml	Fermentis

Notes

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