

# Little Red IPA

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- Gravity **16.8 BLG**
- ABV **7.1 %**
- IBU **39**
- SRM **10**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.1 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

## Steps

- Temp **68 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **19.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **11.1 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (46.2%)	80 %	5
Grain	Pilzneński	3 kg (46.2%)	81 %	4
Grain	Strzegom Karmel 150	0.5 kg (7.7%)	75 %	150

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Green Bullet	15 g	60 min	11 %
Boil	Motueka	25 g	15 min	7 %
Boil	Pacific Jade	20 g	10 min	13 %
Boil	Dr Rudi	15 g	5 min	11.8 %
Boil	Pacific Jade	20 g	2 min	13 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis