

# IRISH RED ALE wg D. Chrapek

- Gravity **12.4 BLG**
- ABV ---
- IBU **34**
- SRM **11.4**
- 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 **60 min**
- Evaporation rate **5 %/h**
- Boil size **28.9 liter(s)**

## Mash information

- Mash efficiency **63 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **23.4 liter(s)**
- Total mash volume **30.4 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **23.4 liter(s)** of strike water to **74.1C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **28.9 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt       | 5 kg (70.6%)   | 80 %  | 5   |
| Grain | Strzegom Monachijski typ I | 1 kg (14.1%)   | 79 %  | 16  |
| Grain | Carared                    | 0.5 kg (7.1%)  | 75 %  | 39  |
| Grain | Jęczmień palony            | 0.08 kg (1.1%) | 55 %  | 985 |
| Grain | Melanoiden Malt red ale    | 0.5 kg (7.1%)  | 80 %  | 39  |

## Hops

| Use for | Name            | Amount | Time   | Alpha acid |
|---------|-----------------|--------|--------|------------|
| Boil    | Challenger      | 40 g   | 60 min | 7 %        |
| Boil    | Styrian Golding | 40 g   | 20 min | 3.6 %      |

## Yeasts

| Name                      | Type | Form   | Amount | Laboratory       |
|---------------------------|------|--------|--------|------------------|
| FM13 Irlandzkie Ciemności | Ale  | Liquid | 500 ml | Fermentum Mobile |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |                |      |      |        |
|--------|----------------|------|------|--------|
| Fining | Mech irlandzki | 10 g | Boil | 15 min |
|--------|----------------|------|------|--------|