

# RYE AMBER ALE

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- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **36**
- SRM **12.5**
- Style **American Amber Ale**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **32.4 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **20.8 liter(s)**
- Total mash volume **26.8 liter(s)**

## Steps

- Temp **68 C**, Time **75 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **20.8 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **75 min** at **68C**
- Keep mash **5 min** at **76C**
- Sparge using **17.6 liter(s)** of **76C** water or to achieve **32.4 liter(s)** of wort

## Fermentables

| Type  | Name   | Amount         | Yield | EBC  |
|-------|--|----------------|-------|------|
| Grain | Maris Otter Crisp                            | 2 kg (33.6%)   | 83 %  | 6    |
| Grain | Żytni  | 2 kg (33.6%)   | 85 %  | 8    |
| Grain | Monachijski typ II<br>20-25 EBC<br>Weyermann | 1 kg (16.8%)   | 80 %  | 20   |
| Grain | Słód Caramunich<br>Typ II Weyermann          | 0.5 kg (8.4%)  | 73 %  | 120  |
| Grain | Weyermann -<br>Melanoiden Malt<br>60-80 EBC  | 0.4 kg (6.7%)  | 81 %  | 70   |
| Grain | Carafa III                                   | 0.05 kg (0.8%) | 70 %  | 1200 |

## Hops

| Use for | Name                   | Amount | Time   | Alpha acid |
|---------|------------------------|--------|--------|------------|
| Boil    | Columbus/Tomahawk/Zeus | 15 g   | 60 min | 15.5 %     |
| Boil    | Mosaic                 | 50 g   | 10 min | 10 %       |

## Yeasts

| Name         | Type | Form  | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale  | Slant | 300 ml | Fermentis  |

## Extras

| Type   | Name       | Amount | Use for | Time   |
|--------|------------|--------|---------|--------|
| Fining | whirlflock | 5 g    | Boil    | 15 min |

## Notes

- 40% Demi  
*Oct 9, 2021, 6:03 PM*