

# Rye stout

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- Gravity **15 BLG**
- ABV ---
- IBU **32**
- SRM **35.2**
- Style **Dry Stout**

## Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **36 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **23 liter(s)**
- Total mash volume **30.6 liter(s)**

## Fermentables

| Type  | Name                   | Amount         | Yield | EBC  |
|-------|------------------------|----------------|-------|------|
| Grain | Simpsons - Maris Otter | 4 kg (52.3%)   | 81 %  | 6    |
| Grain | Żytni                  | 2.5 kg (32.7%) | 85 %  | 8    |
| Grain | Caraaroma              | 0.2 kg (2.6%)  | 78 %  | 400  |
| Grain | Barley, Flaked         | 0.5 kg (6.5%)  | 70 %  | 4    |
| Grain | Carafa III             | 0.25 kg (3.3%) | 70 %  | 1034 |
| Grain | Jęczmień palony        | 0.2 kg (2.6%)  | 55 %  | 985  |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Fuggles | 90 g   | 60 min | 4.5 %      |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11 g   | Safale     |