

## Stout

- Gravity **12.9 BLG**
- ABV ---
- IBU **32**
- SRM **38.8**
- Style **Dry Stout**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

### Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 2 kg (66.7%)   | 80 %  | 5   |
| Grain | Jęczmień palony      | 0.3 kg (10%)   | 55 %  | 985 |
| Grain | Płatki owsiane       | 0.2 kg (6.7%)  | 85 %  | 3   |
| Grain | Caraaroma            | 0.5 kg (16.7%) | 78 %  | 400 |

### Hops

| Use for | Name   | Amount | Time   | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil    | Magnum | 13 g   | 60 min | 13.5 %     |