

# Dry Dry Dry

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **27**
- SRM **29.9**
- Style **Dry Stout**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **7 liter(s)**
- Total mash volume **9 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **75 C**, Time **1 min**

## Mash step by step

- Heat up **7 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **1 min** at **75C**
- Sparge using **7.2 liter(s)** of **76C** water or to achieve **12.2 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount       | Yield | EBC |
|-------|----------------------|--------------|-------|-----|
| Grain | Viking Pale Ale malt | 1 kg (50%)   | 80 %  | 5   |
| Grain | Pszeniczny           | 0.5 kg (25%) | 85 %  | 4   |
| Grain | Płatki owsiane       | 0.2 kg (10%) | 85 %  | 3   |
| Grain | Weyermann - Carafa I | 0.3 kg (15%) | 70 %  | 900 |

## Hops

| Use for | Name  | Amount | Time   | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil    | lunga | 10 g   | 60 min | 11 %       |

## Yeasts

| Name                      | Type | Form   | Amount | Laboratory       |
|---------------------------|------|--------|--------|------------------|
| FM13 Irlandzkie Ciemności | Ale  | Liquid | 100 ml | Fermentum Mobile |