

# Schops

- Gravity **20.2 BLG**
- ABV **8.9 %**
- IBU **55**
- SRM **18.5**
- Style **Dunkelweizen**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **10 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.8 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16.8 liter(s)**

## Steps

- Temp **62 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **12 liter(s)** of strike water to **70.4C**
- Add grains
- Keep mash **60 min** at **62C**
- Keep mash **10 min** at **78C**
- Sparge using **6.6 liter(s)** of **76C** water or to achieve **13.8 liter(s)** of wort

## Fermentables

| Type                       | Name                               | Amount          | Yield | EBC |
|----------------------------|------------------------------------|-----------------|-------|-----|
| Grain                      | Viking Wędzony bukiem              | 2 kg (41.7%)    | 82 %  | 10  |
| Grain                      | Grodziski pszeniczny wędzony dębem | 2 kg (41.7%)    | 80 %  | 3   |
| Grain                      | Aroma CastleMalting                | 0.75 kg (15.6%) | 78 %  | 100 |
| Grain                      | Jęczmień palony                    | 0.05 kg (1%)    | 55 %  | 985 |
| koniec zacierania- wygrzew |                                    |                 |       |     |

## Hops

| Use for             | Name                  | Amount | Time   | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Boil                | lunga                 | 5 g    | 60 min | 11 %       |
| Boil                | Magnum                | 20 g   | 60 min | 13.5 %     |
| Aroma (end of boil) | Saaz (Czech Republic) | 50 g   | 5 min  | 4.5 %      |

## Yeasts

| Name  | Type | Form  | Amount | Laboratory |
|-------|------|-------|--------|------------|
| Lutra | Ale  | Slant | 20 ml  | ---        |