

# Dunkel

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **25**
- SRM **22.5**
- Style **Dunkelweizen**

## Batch size

- Expected quantity of finished beer **56 liter(s)**
- Trub loss **5 %**
- Size with trub loss **58.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **70.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **43.2 liter(s)**
- Total mash volume **57.6 liter(s)**

## Fermentables

| Type              | Name                        | Amount        | Yield | EBC |
|-------------------|-----------------------------|---------------|-------|-----|
| Grain             | Pszoniczny                  | 5 kg (34.7%)  | 85 %  | 4   |
| Grain             | Viking Pale Ale malt        | 5.9 kg (41%)  | 80 %  | 5   |
| Grain             | Carahell                    | 0.9 kg (6.2%) | 77 %  | 26  |
| Grain             | Weyermann - Melanoiden Malt | 0.8 kg (5.6%) | 81 %  | 53  |
| Grain             | Special B Castle            | 0.3 kg (2.1%) | 70 %  | 350 |
| Grain             | Strzegom Karmel 600         | 0.4 kg (2.8%) | 68 %  | 601 |
| Grain             | Strzegom Karmel 300         | 0.8 kg (5.6%) | 70 %  | 400 |
| Grain             | Chocolate Malt              | 0.3 kg (2.1%) | 73 %  | 900 |
| 10 min zacierania |                             |               |       |     |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Marynka | 40 g   | 60 min | 8 %        |
| Boil    | Vital   | 30 g   | 20 min | 12.7 %     |
| Boil    | Kazbek  | 30 g   | 10 min | 7.7 %      |

## Yeasts

| Name         | Type  | Form  | Amount | Laboratory |
|--------------|-------|-------|--------|------------|
| Safale wb-06 | Wheat | Slant | 600 ml | ---        |

## Extras

| Type        | Name            | Amount | Use for | Time   |
|-------------|-----------------|--------|---------|--------|
| Flavor      | Jęczmień oalony | 0.1 g  | Mash    | 10 min |
| Wysładzanie |                 |        |         |        |