

# Dunkelweizen

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- Gravity **12.6 BLG**
- ABV ---
- IBU ---
- SRM **18.4**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.4 liter(s)**
- Total mash volume **19.2 liter(s)**

## Steps

- Temp **44 C**, Time **15 min**
- Temp **66 C**, Time **60 min**

## Mash step by step

- Heat up **14.4 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **60 min** at **66C**
- Sparge using **16.9 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Pszoniczny                 | 2 kg (41.7%)   | 85 %  | 4   |
| Grain | Strzegom Monachijski typ I | 1.8 kg (37.5%) | 79 %  | 16  |
| Grain | Strzegom Karmel 30         | 0.4 kg (8.3%)  | 75 %  | 30  |
| Grain | Biscuit Malt               | 0.5 kg (10.4%) | 79 %  | 45  |
| Grain | Jęczmień palony            | 0.1 kg (2.1%)  | 55 %  | 985 |