

Dortmundowe II

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **22**
- SRM ---
- Style **Dortmunder Export**

Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **80 min**
- Evaporation rate **5 %/h**
- Boil size **31.9 liter(s)**

Mash information

- Mash efficiency **95 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20 liter(s)**
- Total mash volume **26.7 liter(s)**

Steps

- Temp **55 C**, Time **10 min**
- Temp **64 C**, Time **20 min**
- Temp **73 C**, Time **40 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **20 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **10 min** at **55C**
- Keep mash **20 min** at **64C**
- Keep mash **40 min** at **73C**
- Keep mash **5 min** at **76C**
- Sparge using **18.6 liter(s)** of **76C** water or to achieve **31.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 4.7 kg (70.4%) | 80 % | --- |
| Grain | Strzegom Monachijski typ I | 1.2 kg (18%) | 79 % | --- |
| Grain | Briess - Carapils Malt | 0.6 kg (9%) | 74 % | --- |
| Grain | słód zakwaszający | 0.18 kg (2.7%) | --- % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Magnat | 24 g | 60 min | 11.2 % |
| Boil | Lublin (Lubelski) | 14 g | 15 min | 4 % |
| Boil | Lublin (Lubelski) | 18 g | 0 min | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------------------|-------|--------|--------|------------|
| WLP833 - German Bock Lager Yeast | Lager | Liquid | 500 ml | White Labs |

Extras

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | mech irlandzki | 10 g | Boil | 15 min |