

Dubbel 3.0

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **16**
- SRM **17.6**
- Style **Belgian Dubbel**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **33.1 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **69.1C**
- Add grains
- Keep mash **60 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **19.3 liter(s)** of **76C** water or to achieve **33.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Strzegom Pilzneński | 4 kg (66.6%) | 80 % | 4 |
| Grain | Strzegom Wiedeński | 1 kg (16.6%) | 79 % | 10 |
| Grain | Abbey Malt Weyermann | 0.5 kg (8.3%) | 75 % | 45 |
| Sugar | Candi Sugar, Dark | 0.5 kg (8.3%) | 78.3 % | 542 |
| Grain | Carafa II | 0.01 kg (0.2%) | 70 % | 812 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|--------------------|--------|--------|------------|
| Boil | Marynka | 10 g | 60 min | 12 % |
| Boil | East Kent Goldings | 10 g | 60 min | 4 % |
| Whirlpool | East Kent Goldings | 20 g | 10 min | 5.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------------|------|--------|---------|------------------|
| FM27 Artefakty trapistów | Ale | Liquid | 1600 ml | Fermentum Mobile |

Extras

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

| Type | Name | Amount | Use for | Time |
|-------|-------------------|--------|---------|--------|
| Other | Candi Sugar, Dark | 500 g | Boil | 15 min |