

Dubbel

- Gravity **18.7 BLG**
- ABV **8.1 %**
- IBU **26**
- SRM **35.5**
- Style **Belgian Dubbel**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.9 liter(s)**
- Total mash volume **26.6 liter(s)**

Steps

- Temp **62 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **19.9 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **60 min** at **62C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **13.2 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5 kg (65.4%)	79 %	6
Grain	Strzegom Pszeniczny	1 kg (13.1%)	81 %	6
Grain	Abbey Castle	0.3 kg (3.9%)	80 %	45
Grain	Special B Malt	0.25 kg (3.3%)	65.2 %	315
Grain	Carafa	0.1 kg (1.3%)	70 %	664
Sugar	Candi Sugar, Dark	1 kg (13.1%)	78.3 %	542

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	20 g	60 min	14 %
Aroma (end of boil)	Lublin (Lubelski)	10 g	10 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM26 Belgijskie Pagórki	Ale	Slant	350 ml	Fermentum Mobile