

Doppel WeizenBock

- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **23**
- SRM **31.2**
- Style **Weizenbock**

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 **80 %**
- Liquor-to-grist ratio **2.7 liter(s) / kg**
- Mash size **23 liter(s)**
- Total mash volume **31.5 liter(s)**

Steps

- Temp **44 C**, Time **15 min**
- Temp **64 C**, Time **50 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **23 liter(s)** of strike water to **48.4C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **50 min** at **64C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **11.9 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3.5 kg (41.2%)	80 %	4
Grain	Strzegom Pszeniczny	3.5 kg (41.2%)	81 %	6
Grain	Strzegom Monachijski typ II	1 kg (11.8%)	79 %	22
Grain	Strzegom Czekoladowy p	0.25 kg (2.9%)	68 %	1200
Grain	Strzegom pszenica prażona	0.25 kg (2.9%)	70 %	1000

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	35 g	45 min	8.7 %
Boil	Marynka	15 g	5 min	8.7 %

Yeasts

Name	Type	Form	Amount	Laboratory
WB-06	Wheat	Dry	24 g	Fremontis