

# Weizenbock

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- Gravity **16.6 BLG**
- ABV **7 %**
- IBU **16**
- SRM **8.3**
- Style **Weizenbock**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

## Steps

- Temp **44 C**, Time **15 min**
- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **45 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **40 min** at **63C**
- Keep mash **45 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **11.7 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	3.5 kg (50%)	85 %	4
Grain	Monachijski	2 kg (28.6%)	80 %	16
Grain	Pilzneński	1 kg (14.3%)	81 %	4
Grain	Karmelowy Czerwony	0.5 kg (7.1%)	75 %	59

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	35 g	60 min	4 %
Boil	Lublin (Lubelski)	15 g	15 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M20 Bavarian Wheat	Wheat	Dry	10 g	Mangrove Jack's