

Horhe

- Gravity **16.8 BLG**
- ABV **7.1 %**
- IBU **17**
- SRM **5**
- Style **Weizenbock**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **15 %/h**
- Boil size **29.6 liter(s)**

Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

Steps

- Temp **44 C**, Time **15 min**
- Temp **55 C**, Time **10 min**
- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **22.5 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **10 min** at **55C**
- Keep mash **40 min** at **63C**
- Keep mash **40 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **14.6 liter(s)** of **76C** water or to achieve **29.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg (40%)	81 %	4
Grain	Pszeniczny	4 kg (53.3%)	85 %	4
Grain	Monachijski	0.5 kg (6.7%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Centennial	13 g	60 min	14 %
Aroma (end of boil)	Centennial	17 g	2 min	14 %

Yeasts

Name	Type	Form	Amount	Laboratory
Mauribrew Weiss Y1433	Wheat	Dry	22 g	Mauribrew