

# WAIZEN BETA-0.1-lite

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- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **16**
- SRM **5.8**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.9 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **22.5 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **13.8 liter(s)**
- Total mash volume **17.3 liter(s)**

## Steps

- Temp **45 C**, Time **15 min**
- Temp **55 C**, Time **15 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **13.8 liter(s)** of strike water to **48.1C**
- Add grains
- Keep mash **15 min** at **45C**
- Keep mash **15 min** at **55C**
- Keep mash **40 min** at **62C**
- Keep mash **40 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **12.2 liter(s)** of **76C** water or to achieve **22.5 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom pszeniczny	1.7 kg (49%)	81 %	6
Grain	Strzegom Pilzneński	1.22 kg (35.3%)	80 %	4
Grain	Strzegom Monachijski typ I	0.34 kg (9.8%)	79 %	16
Grain	Weyermann - Carawheat	0.2 kg (5.9%)	77 %	97

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Tettnang	23.8 g	90 min	4 %
Boil	Fuggles	13.6 g	5 min	4.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safbrew WB-06	Wheat	Dry	7.82 g	Safbrew