

# Avalanche

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- Gravity **20.5 BLG**
- ABV **9 %**
- IBU **25**
- SRM **15.4**
- 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 **90 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **25.5 liter(s)**
- Total mash volume **34 liter(s)**

## Steps

- Temp **45 C**, Time **90 min**
- Temp **67 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **25.5 liter(s)** of strike water to **49.2C**
- Add grains
- Keep mash **90 min** at **45C**
- Keep mash **40 min** at **67C**
- Keep mash **20 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **10.7 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	5 kg (58.8%)	85 %	4
Grain	Strzegom Monachijski typ II	2 kg (23.5%)	79 %	22
Grain	Viking Pale Ale malt	1 kg (11.8%)	80 %	5
Grain	Special w	0.5 kg (5.9%)	80 %	300

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	30 g	60 min	11 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Liquid	500 ml	Fermentum Mobile