

# sosnowo świerkowe 2025

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **15**
- SRM **4.9**
- Style **Blonde Ale**

## Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **42 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **50.6 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27 liter(s)**
- Total mash volume **36 liter(s)**

## Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **15 min**

## Mash step by step

- Heat up **27 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **32.6 liter(s)** of **76C** water or to achieve **50.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	pilzneński vikin malt	5 kg (55.6%)	77 %	4.3
Grain	słód karmelowy 30 viking malt	1 kg (11.1%)	75 %	30
Grain	Strzegom Wiedeński	1 kg (11.1%)	79 %	10
Grain	Strzegom Pszeniczny	1 kg (11.1%)	81 %	4.2
Grain	płatki jęczmienne	1 kg (11.1%)	60 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	20 min	7.8 %
Boil	sladek	20 g	15 min	7.68 %
Aroma (end of boil)	Marynka	10 g	10 min	7.8 %
Aroma (end of boil)	Sladek	10 g	10 min	7.68 %
Aroma (end of boil)	centenial	30 g	5 min	6.2 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	33 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
Spice	pedy sosny	2000 g	Boil	20 min