

Sosnowe IPA

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **37**
- SRM **6.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Steps

- Temp **67 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **19.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **45 min** at **67C**
- Keep mash **15 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **16 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3.5 kg (53.8%)	80 %	4
Grain	Strzegom Monachijski typ I	3 kg (46.2%)	79 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sybilla	5 g	60 min	6.9 %
Boil	Chinook	15 g	60 min	7.3 %
Boil	Hallertau Tradition	20 g	60 min	5.2 %
Aroma (end of boil)	Citra	20 g	20 min	13.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	11.5 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Herb	Pędy sosny	100 g	Boil	60 min