

# Świąteczny śmieciuch

- Gravity **14.4 BLG**
- ABV ---
- IBU **32**
- SRM **9.9**
- Style **Spice, Herb, or Vegetable Beer**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.9 liter(s)**
- Total mash volume **21.2 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**

## Mash step by step

- Heat up **15.9 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **14.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3 kg (56.6%)	79 %	6
Grain	Amber Malt	1 kg (18.9%)	75 %	43
Grain	Pilzneński	0.5 kg (9.4%)	81 %	4
Grain	Strzegom Wiedeński	0.3 kg (5.7%)	79 %	10
Grain	Pszeniczny	0.3 kg (5.7%)	85 %	4
Grain	Acid Malt	0.2 kg (3.8%)	58.7 %	6

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	60 min	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	12 g	Fermentis