

Świąteczna Polskie Ale

- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **25**
- SRM **4**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (75%)	80 %	5
Grain	Pszeniczny	0.5 kg (12.5%)	85 %	4
Grain	Strzegom Monachijski typ I	0.5 kg (12.5%)	79 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade PL	20 g	60 min	5.2 %
Boil	Cascade PL	10 g	40 min	5.2 %
Boil	Cascade PL	10 g	15 min	5.2 %
Boil	Cascade PL	10 g	10 min	5.2 %
Boil	Cascade PL	10 g	5 min	5.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis