

# Ekskluzywny Szlachetny Bitter

---

- Gravity **14.7 BLG**
- ABV ---
- IBU **35**
- SRM **8.5**
- 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 **21.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **22.4 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Karmel 150	0.2 kg (3.6%)	75 %	150
Grain	Strzegom Karmel 30	0.2 kg (3.6%)	75 %	30
Grain	Strzegom Pale Ale	5 kg (89.3%)	79 %	6
Grain	Karmelowy Czerwony	0.2 kg (3.6%)	75 %	59

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	20 g	60 min	11 %
Boil	Perle	20 g	30 min	7 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - American Ale	Ale	Liquid	150 ml	Wyeast Labs