

ESB 11-2023

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **45**
- SRM **8.6**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.8 liter(s)**

Mash information

- Mash efficiency **87 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.3 liter(s)**
- Total mash volume **27 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (74.1%)	80 %	4
Grain	Strzegom Karmel 150	0.5 kg (7.4%)	75 %	150
Grain	Cookie	0.25 kg (3.7%)	72 %	50
Grain	Pszeniczny	1 kg (14.8%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Perle	50 g	60 min	6.5 %
Boil	Fuggles	50 g	30 min	6 %
Boil	Fuggles	50 g	2 min	6 %

Extras

Type	Name	Amount	Use for	Time
Fining	whirlfoc	2 g	Boil	15 min