

FES

- Gravity **17.1 BLG**
- ABV **7.3 %**
- IBU **33**
- SRM **41.8**
- Style **Foreign Extra Stout**

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 **24.6 liter(s)**
- Total mash volume **32.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	2 kg (24.4%)	81 %	6
Grain	Strzegom Wiedeński	1.5 kg (18.3%)	79 %	10
Grain	Brown Malt (British Chocolate)	1 kg (12.2%)	70 %	128
Grain	Abbey Castle	1 kg (12.2%)	80 %	45
Grain	Caramel/Crystal Malt - 120L	0.5 kg (6.1%)	72 %	236
Grain	Żytni	0.6 kg (7.3%)	85 %	8
Grain	Płatki owsiane	0.6 kg (7.3%)	85 %	3
Grain	Carafa III	0.4 kg (4.9%)	70 %	1034
Grain	Carafa II	0.3 kg (3.7%)	70 %	812
Grain	Special B Malt	0.3 kg (3.7%)	65.2 %	315

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	70 g	60 min	5.93 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM25 Klasztorna medytacja	Ale	Liquid	200 ml	Fermentum Mobile