

Asfaltowe

- Gravity **18.2 BLG**
- ABV **7.8 %**
- IBU **56**
- SRM **36.1**
- Style **Foreign Extra Stout**

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 **24.2 liter(s)**

Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3.2 liter(s) / kg**
- Mash size **25.4 liter(s)**
- Total mash volume **33.3 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Peat Smoked Malt Fewcett	5 kg (63.1%)	74 %	6
Grain	Płatki żytnie	1 kg (12.6%)	85 %	3
Grain	Strzegom Karmel 600	0.35 kg (4.4%)	68 %	601
Grain	Biscuit Malt	0.425 kg (5.4%)	79 %	45
Grain	Słód Caramunich Typ II Weyermann	0.45 kg (5.7%)	73 %	120
Grain	Jęczmień palony	0.2 kg (2.5%)	55 %	985
Grain	Carafa II	0.1 kg (1.3%)	70 %	812
Grain	Special B Malt	0.4 kg (5%)	65.2 %	315

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	45 g	60 min	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Slant	100 ml	Safale