

Eclipse

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **69**
- SRM **35.6**
- Style **American Stout**

Batch size

- Expected quantity of finished beer **9 liter(s)**
- Trub loss **5 %**
- Size with trub loss **9.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **11.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **7.3 liter(s)**
- Total mash volume **9.7 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	1.7 kg (70%)	81 %	6
Grain	Strzegom Monachijski typ II	0.24 kg (9.9%)	79 %	22
Grain	Karmelowy Jasny 30EBC	0.13 kg (5.3%)	75 %	30
Grain	Fawcett - Pszeniczny Czekoladowy	0.13 kg (5.3%)	73 %	1000
Grain	Carafa III	0.13 kg (5.3%)	70 %	1400
Grain	Żytni	0.1 kg (4.1%)	85 %	8

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Azacca	10 g	60 min	12.8 %
Boil	Azacca	15 g	10 min	12.8 %
Whirlpool	Azacca	25 g	20 min	12.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM54 Gorączka kalifornijska	Ale	Liquid	80 ml	Fermentum Mobile