

## test AOFES

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- Gravity **18.7 BLG**
- ABV ---
- IBU **66**
- SRM **53**
- Style **Foreign Extra Stout**

### Batch size

- Expected quantity of finished beer **3.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **3.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **4.6 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **3.9 liter(s)**
- Total mash volume **5.2 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	1 kg (76.9%)	80 %	5
Grain	Płatki owsiane	0.1 kg (7.7%)	85 %	3
Grain	Biscuit Malt	0.05 kg (3.8%)	79 %	45
Grain	Strzegom Karmel 150	0.05 kg (3.8%)	75 %	150
Grain	Strzegom Czekoladowy ciemny	0.05 kg (3.8%)	68 %	1200
Grain	Strzegom Barwiący	0.05 kg (3.8%)	68 %	1300

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Polaris 2014	5 g	60 min	16.3 %
Aroma (end of boil)	Polaris 2014	7 g	10 min	16.3 %
Dry Hop	Polaris 2014	10 g	7 day(s)	16.3 %