

Dirty Thoughts

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **45**
- SRM **54.9**
- Style **Foreign Extra Stout**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **14 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.6 liter(s)**
- Total mash volume **28.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3.2 kg (44.4%)	81 %	4
Grain	Strzegom Monachijski typ II	1 kg (13.9%)	79 %	22
Grain	Caraaroma	0.5 kg (6.9%)	78 %	400
Grain	Strzegom pszenica prażona	1 kg (13.9%)	70 %	1000
Grain	Fawcett - Pale Chocolate	0.5 kg (6.9%)	71 %	600
Grain	Casle Malting Whisky Nature	1 kg (13.9%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	50 g	60 min	11 %

Yeasts

Name	Type	Form	Amount	Laboratory
WLP090 - San Diego Super Yeast	Ale	Liquid	110 ml	White Labs