

DS

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **35**
- SRM **26.7**
- Style **Dry Stout**

Batch size

- Expected quantity of finished beer **14 liter(s)**
- Trub loss **5 %**
- Size with trub loss **14.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **12 %/h**
- Boil size **19.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.1 liter(s)**
- Total mash volume **13.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	2.5 kg (74.6%)	80 %	7
Grain	Carafa III	0.15 kg (4.5%)	70 %	1034
Grain	Jęczmień palony	0.2 kg (6%)	55 %	985
Grain	Płatki owsiane	0.5 kg (14.9%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	25 g	60 min	7 %
Boil	Challenger	10 g	30 min	7 %
Boil	Challenger	15 g	0 min	7 %