- Gravity 20 BLG
- ABV ----
- IBU **35**
- SRM **11.8**
- Style Doppelbock

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 25.3 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 21 liter(s)
- Total mash volume 28 liter(s)

Steps

• Temp 72 C, Time 60 min

Mash step by step

- Heat up 21 liter(s) of strike water to 80.7C
- Add grains
- Keep mash 60 min at 72C
- Sparge using 11.3 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Monachijski	4 kg <i>(57.1%)</i>	80 %	15
Grain	Strzegom Wiedeński	3 kg <i>(42.9%)</i>	79 %	8

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Polaris	20 g	60 min	19.1 %