#45 Stout do risa

- Gravity 12.9 BLG
- ABV **5.2** %
- IBU **34**
- SRM **3.7**
- Style Dry Stout

Batch size

- Expected quantity of finished beer 18 liter(s)
- Trub loss 0 %
- Size with trub loss 18 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 19.8 liter(s)

Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 3.5 liter(s) / kg Mash size 14 liter(s)
- Total mash volume 18 liter(s)

Steps

• Temp 67 C, Time 40 min

Mash step by step

- Heat up 14 liter(s) of strike water to 73.7C
- Add grains
- Keep mash 40 min at 67C
- Sparge using 9.8 liter(s) of 76C water or to achieve 19.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	4 kg (100%)	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	30 g	30 min	10.5 %