Rye PA

- Gravity 13.1 BLG ABV 5.3 %
- IBU **26**
- SRM **7.2**
- Style American Wheat or Rye Beer

Batch size

- Expected quantity of finished beer 10 liter(s)
- Trub loss 10 %
- Size with trub loss 12 liter(s)
- Boil time 70 min
- Evaporation rate 10 %/h
- Boil size 14.5 liter(s)

Mash information

- Mash efficiency 70 %
- Liquor-to-grist ratio 2.6 liter(s) / kg Mash size 8.1 liter(s)
- Total mash volume 11.2 liter(s)

Steps

- Temp 64 C, Time 60 min
 Temp 78 C, Time 1 min

Mash step by step

- Heat up 8.1 liter(s) of strike water to 72.4C
- Add grains
- Keep mash 60 min at 64C
- Keep mash 1 min at 78C
- Sparge using 9.5 liter(s) of 76C water or to achieve 14.5 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	2 kg <i>(64.5%)</i>	81 %	4
Grain	Żytni	1 kg <i>(32.3%)</i>	85 %	8
Grain	Weyermann - Carawheat	0.05 kg <i>(1.6%)</i>	77 %	97
Grain	Special B Malt	0.05 kg <i>(1.6%)</i>	65.2 %	315

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	columbus	10 g	60 min	13.6 %