ryżowa apa

- Gravity 11.8 BLG
- ABV ---
- IBU 40
- SRM **4.1**
- Style American Pale Ale

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

Steps

- Temp 63 C, Time 20 min
 Temp 72 C, Time 40 min
- Temp 78 C, Time 2 min

Mash step by step

- Heat up 14 liter(s) of strike water to 69.1C
- Add grains
- Keep mash 20 min at 63C
- Keep mash 40 min at 72C
- Keep mash 2 min at 78C
- Sparge using 15.3 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4 kg (90.9%)	80 %	4
Adjunct	płatki ryżowe	0.4 kg (9.1%)	60 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	30 g	30 min	9.5 %
Boil	Amarillo	30 g	10 min	9.5 %
Boil	Amarillo	40 g	0 min	9.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
us 5	Ale	Slant	200 ml	