SHPIPA malt

- Gravity 12.4 BLG
- ABV **5** %
- IBU **30**
- SRM **3.3**
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 25 liter(s)
- Trub loss 1 %
- Size with trub loss 25.3 liter(s)
- Boil time 60 min
- · Evaporation rate 2 %/h
- Boil size 27 liter(s)

Mash information

- Mash efficiency 85 %
- Liquor-to-grist ratio 4 liter(s) / kg Mash size 20 liter(s)
- Total mash volume 25 liter(s)

Steps

- Temp 67 C, Time 60 min
 Temp 78 C, Time 10 min

Mash step by step

- Heat up 20 liter(s) of strike water to 72.9C
- Add grains
- Keep mash 60 min at 67C
- Keep mash 10 min at 78C
- Sparge using 12 liter(s) of 76C water or to achieve 27 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	5 kg (100%)	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zula	70 g	15 min	8.9 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis