Sabro Pale Ale

- Gravity 11.4 BLG
- ABV 4.6 %
- IBU **39**
- SRM 4.8
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 15 liter(s)
- Trub loss 5 %
- Size with trub loss 15.8 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 19 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 4 liter(s) / kg Mash size 13.2 liter(s)
- Total mash volume 16.5 liter(s)

Steps

- Temp 64 C, Time 60 min
 Temp 78 C, Time 15 min

Mash step by step

- Heat up 13.2 liter(s) of strike water to 69.5C
- Add grains
- Keep mash 60 min at 64C
- Keep mash 15 min at 78C
- Sparge using 9.1 liter(s) of 76C water or to achieve 19 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Maris Otter Crisp	3 kg (90.9%)	83 %	6
Grain	Carahell	0.3 kg (9.1%)	77 %	26

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sabro	6 g	60 min	15 %
Aroma (end of boil)	Sabro	30 g	10 min	15 %
Dry Hop	Sabro	64 g	3 day(s)	15 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Stranda Kveik	Ale	Liquid	15 ml	White Labs