## Milk Stout OK

- Gravity 13.3 BLG
- ABV ----
- IBU 32
- SRM **36.2**
- Style Sweet Stout

## **Batch size**

- Expected quantity of finished beer 23 liter(s)
- Trub loss 5 %
- Size with trub loss 24.1 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 29 liter(s)

## **Mash information**

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 17.4 liter(s)
- Total mash volume 23.2 liter(s)

## **Steps**

- Temp 67 C, Time 60 min
  Temp 76 C, Time 10 min

## Mash step by step

- Heat up 17.4 liter(s) of strike water to 74.8C
- Add grains
- Keep mash 60 min at 67C
- Keep mash 10 min at 76C
- Sparge using 17.4 liter(s) of 76C water or to achieve 29 liter(s) of wort

#### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5 kg (86.2%)	79 %	6
Grain	Caramunich Malt	0.3 kg <i>(5.2%)</i>	71.7 %	110
Grain	Jęczmień palony	0.3 kg <i>(5.2%)</i>	55 %	985
Grain	Weyermann - Carafa I	0.2 kg <i>(3.4%)</i>	70 %	690

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	32 g	60 min	10 %

#### **Yeasts**

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale

# **Extras**

Туре	Name	Amount	Use for	Time
Flavor	laktoza	450 g	Boil	15 min

## Notes

glukoza 3g/but

