milk stout

- Gravity 17.3 BLG
- ABV ----
- IBU 42
- SRM 35.2
- Style Sweet Stout

Batch size

- Expected quantity of finished beer 22 liter(s)
- Trub loss 0 % •
- Size with trub loss 22 liter(s) •
- Boil time 70 min
- Evaporation rate 10 %/h Boil size 25.8 liter(s)
- **Mash information**

• Mash efficiency 70 %

- Liquor-to-grist ratio 2.4 liter(s) / kg ٠
- Mash size 14 liter(s) .
- Total mash volume 19.9 liter(s)

Steps

- Temp 65 C, Time 60 min
 Temp 72 C, Time 20 min
- Temp 76 C, Time 1 min

Mash step by step

- Heat up 14 liter(s) of strike water to 74.4C
- Add grains
- ٠ Keep mash 60 min at 65C
- Keep mash 20 min at 72C •
- Keep mash 1 min at 76C
- Sparge using 17.7 liter(s) of 76C water or to achieve 25.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pale Malt (2 Row) Bel	3 kg <i>(43.8%)</i>	80 %	6
Grain	Briess - Pilsen Malt	0.5 kg <i>(7.3%)</i>	80.5 %	2
Grain	Biscuit Malt	0.45 kg <i>(6.6%)</i>	79 %	45
Grain	Oats, Flaked	0.5 kg (7.3%)	80 %	2
Grain	Briess - Wheat Malt, White	0.5 kg <i>(7.3%)</i>	85 %	5
Grain	Carafa II	0.55 kg <i>(8%)</i>	70 %	812
Grain	Roasted Barley	0.35 kg <i>(5.1%)</i>	55 %	591
Sugar	Milk Sugar (Lactose)	1 kg <i>(14.6%)</i>	76.1 %	0

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	30 g	30 min	10 %
Boil	Simcoe	30 g	5 min	13.2 %
Boil	Mosaic	30 g	5 min	10 %
Boil	Citra	30 g	5 min	12 %

Yeasts

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

Notes

• laktoza 5 min gotowania Feb 21, 2017, 2:28 PM