Sour Ale

- Gravity 17.7 BLG
- ABV 7.6 %
- IBU 3
- SRM **7.4**
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 10 liter(s)
- Trub loss 10 %
- Size with trub loss 11 liter(s)
- Boil time 60 min
- Evaporation rate 15 %/h
- Boil size 13.8 liter(s)

Mash information

- Mash efficiency 70 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 12 liter(s)
- Total mash volume 16 liter(s)

Steps

- Temp 65 C, Time 70 min
 Temp 78 C, Time 10 min

Mash step by step

- Heat up 12 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 70 min at 65C
- Keep mash 10 min at 78C
- Sparge using 5.8 liter(s) of 76C water or to achieve 13.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	3.2 kg <i>(80%)</i>	81 %	4
Grain	Oats, Malted	0.4 kg <i>(10%)</i>	80 %	2
Grain	Oats, Flaked	0.2 kg <i>(5%)</i>	80 %	2
Grain	Aroma CastleMalting	0.2 kg <i>(5%)</i>	78 %	100

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	3 g	15 min	12 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Lachancea	Ale	Slant	80 ml	Lallemand