Magister

- Gravity 12.2 BLG
- ABV ----
- IBU **34**
- SRM **10.5**
- Style Standard/Ordinary Bitter

Batch size

- Expected quantity of finished beer 25 liter(s)
- Trub loss 5 %
- Size with trub loss 26.3 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 31.7 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 16.6 liter(s)
- Total mash volume 22.2 liter(s)

Steps

- Temp 65 C, Time 60 min
 Temp 76 C, Time 0 min

Mash step by step

- Heat up 16.6 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 60 min at 65C
- Keep mash 0 min at 76C
- Sparge using 20.6 liter(s) of 76C water or to achieve 31.7 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	5 kg <i>(90.3%)</i>	81 %	6
Grain	Carared	0.5 kg <i>(9%)</i>	75 %	39
Grain	Jęczmień palony	0.04 kg <i>(0.7%)</i>	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Kent Goldings	30 g	60 min	5.5 %
Boil	Kent Goldings	35 g	20 min	5.5 %
Boil	Kent Goldings	35 g	10 min	5.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale

Extras

Туре	Name	Amount	Use for	Time
Fining	Irish Moss	5 g	Boil	10 min