

Mil(or)d

- Gravity **8.8 BLG**
- ABV **3.4 %**
- IBU **17**
- SRM **11.3**
- Style **Mild**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.43 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **15.5 liter(s)**

Steps

- Temp **68 C**, Time **85 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **12 liter(s)** of strike water to **75C**
- Add grains
- Keep mash **85 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Mild Malt	3 kg (85.5%)	80 %	8
Grain	Caramel/Crystal Malt - 120L	0.5 kg (14.2%)	72 %	200
Grain	Chocolate	0.01 kg (0.3%)	73 %	1200

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Fuggles	30 g	60 min	4.5 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
Fining	Mech Irlandzki	4 g	Boil	15 min