

## test

---

- Gravity **9.3 BLG**
- ABV **3.6 %**
- IBU **34**
- SRM **4.6**
- Style **American Stout**

### 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 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Steps

- Temp **50 C**, Time **1 min**

### Mash step by step

- Heat up **15 liter(s)** of strike water to **55C**
- Add grains
- Keep mash **1 min** at **50C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Acid Malt	5 kg (100%)	58.7 %	6

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	20 g	60 min	13.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
BrewGO	Ale	Dry	11 g	Browin