

Simcoe SH

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **49**
- SRM **5.3**
- Style **American IPA**

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 **21.9 liter(s)**
- Total mash volume **29.2 liter(s)**

Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **77 C**, Time **2 min**

Mash step by step

- Heat up **21.9 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **2 min** at **77C**
- Sparge using **10.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6.8 kg (93.2%)	80 %	5
Grain	Weyermann - Carapils	0.5 kg (6.8%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	10 g	55 min	13.2 %
Boil	Simcoe	40 g	5 min	13.2 %
Aroma (end of boil)	Simcoe	40 g	0 min	13.2 %
Whirlpool	Simcoe	50 g	50 min	13.2 %
Dry Hop	Simcoe	50 g	5 day(s)	13.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis