

Waimea Smash

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **55**
- SRM **4.4**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

Steps

- Temp **65 C**, Time **50 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **17.5 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **50 min** at **65C**
- Keep mash **20 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **13.9 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (100%)	80 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Waimea	20 g	60 min	17 %
Aroma (end of boil)	Waimea	10 g	20 min	17 %
Whirlpool	Waimea	20 g	15 min	17 %
Dry Hop	Waimea	50 g	3 day(s)	17 %

Yeasts

Name	Type	Form	Amount	Laboratory
US 05	Ale	Dry	11 g	---