

IPA14stka

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **54**
- SRM **8.7**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **19.5 liter(s)**

Mash information

- Mash efficiency **96 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **11.4 liter(s)**
- Total mash volume **14.6 liter(s)**

Steps

- Temp **51 C**, Time **15 min**
- Temp **62 C**, Time **15 min**
- Temp **72 C**, Time **45 min**

Mash step by step

- Heat up **11.4 liter(s)** of strike water to **55.4C**
- Add grains
- Keep mash **15 min** at **51C**
- Keep mash **15 min** at **62C**
- Keep mash **45 min** at **72C**
- Sparge using **11.4 liter(s)** of **76C** water or to achieve **19.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	2 kg (61.5%)	85 %	7
Grain	Weyermann - Dark Wheat Malt	1 kg (30.8%)	85 %	14
Grain	weyermann - cararye malt	0.25 kg (7.7%)	85 %	170

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	10 g	20 min	13.2 %
Boil	Mosaic	10 g	20 min	10 %
Boil	Simcoe	40 g	10 min	13.2 %
Boil	Mosaic	40 g	5 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Dry	11 g	---