

# New England IPA Cascade

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **43**
- SRM **4.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **3 %/h**
- Boil size **24.7 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **12.7 liter(s)** of **76C** water or to achieve **24.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	5 kg (83.3%)	80 %	6
Grain	Weyermann - Pale Wheat Malt	1 kg (16.7%)	85 %	5

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	14 g	60 min	12.9 %
Boil	Citra	15 g	60 min	12 %
Boil	Cascade PL	15 g	30 min	5.2 %
Boil	Cascade PL	20 g	10 min	5.2 %
Dry Hop	Cascade PL	30 g	3 day(s)	5.2 %

## Yeasts

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