

# American India Pale Ale

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- Gravity **18.9 BLG**
- ABV ---
- IBU **45**
- SRM **9.6**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **23.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **1 min** at **76C**
- Sparge using **11.3 liter(s)** of **76C** water or to achieve **23.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	5.2 kg (86.7%)	85 %	7
Grain	Weyermann - Carapils	0.4 kg (6.7%)	78 %	4
Grain	Weyermann - Carared	0.4 kg (6.7%)	75 %	45

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	30 g	55 min	13 %
Boil	Cascade	30 g	5 min	6 %
Boil	Citra	30 g	1 min	12 %

## Yeasts

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