

# AIPA

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- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **78**
- SRM **6.5**
- Style **American IPA**

## 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 **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **1 min** at **78C**
- Sparge using **11.4 liter(s)** of **76C** water or to achieve **26.4 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                | Horizon                | 40 g   | 70 min   | 14 %       |
| Boil                | Horizon                | 20 g   | 10 min   | 14 %       |
| Boil                | Cascade                | 60 g   | 10 min   | 6 %        |
| Aroma (end of boil) | Cascade                | 60 g   | 0 min    | 6 %        |
| Aroma (end of boil) | Citra                  | 50 g   | 0 min    | 12 %       |
| Dry Hop             | Columbus/Tomahawk/Zeus | 50 g   | 5 day(s) | 15.5 %     |
| Dry Hop             | Citra                  | 60 g   | 5 day(s) | 12 %       |

## Yeasts

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