

# Americana APA

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- Gravity **13.3 BLG**
- ABV ---
- IBU **83**
- SRM **8.6**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.3 liter(s)**
- Total mash volume **23.1 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **17.3 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **20.2 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale    | 5 kg (86.5%)   | --- % | 5   |
| Grain | Pszeniczny           | 0.38 kg (6.6%) | 85 %  | 4   |
| Grain | Strzegom Karmel 150  | 0.2 kg (3.5%)  | 75 %  | 150 |
| Grain | buzsytynowy Strzegom | 0.2 kg (3.5%)  | 70 %  | 50  |

## Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil    | Marynka | 50 g   | 60 min   | 10.5 %     |
| Boil    | Warrior | 15 g   | 60 min   | 14 %       |
| Boil    | Cascade | 30 g   | 20 min   | 6 %        |
| Boil    | Cascade | 30 g   | 5 min    | 6 %        |
| Boil    | Cascade | 38 g   | 1 min    | 6 %        |
| Dry Hop | Cascade | 40 g   | 7 day(s) | 6 %        |

## Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|              |     |     |      |           |
|--------------|-----|-----|------|-----------|
| Safale US-05 | Ale | Dry | 11 g | Fermentis |
|--------------|-----|-----|------|-----------|