

# Krzepka Aipa 1

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- Gravity **17.1 BLG**
- ABV **7.3 %**
- IBU **37**
- SRM **9.6**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 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 **42 C**, Time **1 min**
- Temp **52 C**, Time **10 min**
- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **45.7C**
- Add grains
- Keep mash **1 min** at **42C**
- Keep mash **10 min** at **52C**
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **13.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 5.5 kg (91.7%) | 92 %  | 5   |
| Grain | Strzegom Karmel 150  | 0.5 kg (8.3%)  | 92 %  | 150 |

## Hops

| Use for             | Name                   | Amount | Time      | Alpha acid |
|---------------------|------------------------|--------|-----------|------------|
| Boil                | Columbus/Tomahawk/Zeus | 25 g   | 60 min    | 15.5 %     |
| Aroma (end of boil) | Mosaic                 | 25 g   | 1 min     | 10 %       |
| Dry Hop             | Centennial             | 25 g   | 14 day(s) | 10.5 %     |

## Yeasts

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