

# Apka

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- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **25**
- SRM **3.6**
- Style **American IPA**

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

## Steps

- Temp **68 C**, Time **45 min**
- Temp **72 C**, Time **15 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **45 min** at **68C**
- Keep mash **15 min** at **72C**
- Sparge using **19.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

| Type  | Name                              | Amount       | Yield | EBC |
|-------|-----------------------------------|--------------|-------|-----|
| Grain | Weyermann - Bohemian Pilsner Malt | 5 kg (83.3%) | 81 %  | 4   |
| Grain | Pszeniczny                        | 1 kg (16.7%) | 85 %  | 4   |

## Hops

| Use for             | Name    | Amount | Time     | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil                | Magnum  | 20 g   | 60 min   | 11.5 %     |
| Aroma (end of boil) | Cascade | 20 g   | 10 min   | 7.8 %      |
| Dry Hop             | Mosaic  | 56 g   | 2 day(s) | 10 %       |

## Yeasts

| Name  | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| US 05 | Ale  | Dry  | 11 g   | Fer        |