

# American India Pale Ale 16 CP

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **42**
- SRM **6.7**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **2.5 %**
- Size with trub loss **22.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **18.5 %/h**
- Boil size **27.1 liter(s)**

## Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Steps

- Temp **52 C**, Time **10 min**
- Temp **69 C**, Time **75 min**
- Temp **75.6 C**, Time **5 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **75 min** at **69C**
- Keep mash **5 min** at **75.6C**
- Sparge using **15.1 liter(s)** of **76C** water or to achieve **27.1 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount        | Yield | EBC |
|-------|-----------------------------|---------------|-------|-----|
| Grain | Pilzneński                  | 4.2 kg (70%)  | 81 %  | 4   |
| Grain | Strzegom Wiedeński          | 1 kg (16.7%)  | 79 %  | 10  |
| Grain | Strzegom Monachijski typ II | 0.6 kg (10%)  | 79 %  | 22  |
| Grain | Caramunich® typ I           | 0.2 kg (3.3%) | 73 %  | 80  |

## Hops

| Use for             | Name         | Amount | Time     | Alpha acid |
|---------------------|--------------|--------|----------|------------|
| Boil                | Warrior      | 15 g   | 60 min   | 15.5 %     |
| Boil                | Green Bullet | 25 g   | 25 min   | 11 %       |
| Aroma (end of boil) | Mosaic       | 20 g   | 5 min    | 10 %       |
| Aroma (end of boil) | Centennial   | 25 g   | 1 min    | 10.5 %     |
| Dry Hop             | Mosaic       | 80 g   | 5 day(s) | 10 %       |

## Yeasts

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

## Notes

- Link do oryginalnej receptury  
<https://drive.google.com/file/d/1wjsieVubHe150S8I5SiLi6lOWyrzehQ8/view?usp=sharing>  
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