

# IPA 22I PINI 100g i 22I Cascade 50g

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **28**
- SRM **4.3**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **44 liter(s)**
- Trub loss **5 %**
- Size with trub loss **46.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **54.6 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4.5 liter(s) / kg**
- Mash size **47.3 liter(s)**
- Total mash volume **57.8 liter(s)**

## Steps

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

## Mash step by step

- Heat up **47.3 liter(s)** of strike water to **73.3C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **17.8 liter(s)** of **76C** water or to achieve **54.6 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt       | 5 kg (47.6%)   | 80 %  | 5   |
| Grain | Viking Wheat Malt          | 3.5 kg (33.3%) | 83 %  | 5   |
| Grain | Strzegom Monachijski typ I | 1 kg (9.5%)    | 79 %  | 16  |
| Grain | Oats, Malted               | 1 kg (9.5%)    | 80 %  | 2   |

## Hops

| Use for | Name       | Amount | Time     | Alpha acid |
|---------|------------|--------|----------|------------|
| Boil    | Tradition  | 50 g   | 60 min   | 5.5 %      |
| Boil    | Tradition  | 50 g   | 15 min   | 5.5 %      |
| Boil    | Lemon drop | 50 g   | 10 min   | 5.4 %      |
| Boil    | Kohatu     | 35 g   | 10 min   | 4.9 %      |
| Dry Hop | Cascade    | 50 g   | 4 day(s) | 6 %        |

## Yeasts

| Name  | Type | Form  | Amount | Laboratory |
|-------|------|-------|--------|------------|
| us-04 | Ale  | Slant | 176 ml | Omega      |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|      |                   |       |           |          |
|------|-------------------|-------|-----------|----------|
| Herb | PINI paczki sosny | 100 g | Secondary | 4 day(s) |
|------|-------------------|-------|-----------|----------|

## Notes

- Warka podzielona na 2... 22l z PINI i 22l z Cascade  
*May 17, 2022, 7:40 PM*