

# Katastrofa w nadfiolecie

- Gravity **13.6 BLG**
- ABV ---
- IBU **67**
- SRM ---
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **14 liter(s)**
- Trub loss **5 %**
- Size with trub loss **14.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **17.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.4 liter(s)**
- Total mash volume **15.2 liter(s)**

## Steps

- Temp **55 C**, Time **5 min**
- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **77 C**, Time **5 min**

## Mash step by step

- Heat up **11.4 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **5 min** at **55C**
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **77C**
- Sparge using **10.1 liter(s)** of **76C** water or to achieve **17.7 liter(s)** of wort

## Fermentables

| Type  | Name                    | Amount         | Yield | EBC |
|-------|-------------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale       | 0.9 kg (23.7%) | 79 %  | --- |
| Grain | Weyermann - Carapils    | 0.4 kg (10.5%) | 78 %  | --- |
| Grain | Słód monachijski Optima | 2.5 kg (65.8%) | --- % | --- |

## Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil    | Chinook | 15 g   | 60 min   | 16 %       |
| Boil    | 16 alfa | 14 g   | 15 min   | 16 %       |
| Boil    | 10 alfa | 13 g   | 15 min   | 10 %       |
| Boil    | 12 alfa | 12 g   | 5 min    | 12 %       |
| Boil    | 13 alfa | 15 g   | 0 min    | 13 %       |
| Dry Hop | 10 alfa | 25 g   | 7 day(s) | 10 %       |
| Dry Hop | 12 alfa | 25 g   | 3 day(s) | 12 %       |

## Yeasts

| <b>Name</b> | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|-------------|-------------|-------------|---------------|-------------------|
| S-33        | Ale         | Dry         | 7 g           | ---               |
| GĘSTWA      | Ale         | Slant       | 50 ml         | ---               |