

# Stara Zelandia

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- Gravity **16.6 BLG**
- ABV **7 %**
- IBU **53**
- SRM **7.5**
- 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 **20.3 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **3 min**

## Mash step by step

- Heat up **20.3 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **3 min** at **76C**
- Sparge using **11.8 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount         | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński         | 4 kg (59.3%)   | 80 %  | 4   |
| Grain | Strzegom Monachijski typ II | 1 kg (14.8%)   | 79 %  | 22  |
| Grain | Golden Ale                  | 1 kg (14.8%)   | 79 %  | 12  |
| Grain | Strzegom Pale Ale           | 0.5 kg (7.4%)  | 79 %  | 6   |
| Grain | Karmelowy Czerwony          | 0.25 kg (3.7%) | 75 %  | 59  |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Magnum  | 25 g   | 60 min | 11.5 %     |
| Boil    | Waimea  | 25 g   | 10 min | 15.5 %     |
| Boil    | Waimea  | 25 g   | 5 min  | 15.5 %     |
| Boil    | Crystal | 25 g   | 3 min  | 4.5 %      |
| Boil    | Mosaic  | 20 g   | 3 min  | 10 %       |
| Boil    | WAI-ITI | 20 g   | 3 min  | 4.1 %      |
| Boil    | Crystal | 25 g   | 1 min  | 4.5 %      |

## Yeasts

| <b>Name</b>   | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|---------------|-------------|-------------|---------------|-------------------|
| Safeale US-05 | Ale         | Dry         | 11 g          | Fermentis         |