

# Single Hop Simcoe

- Gravity **16.1 BLG**
- ABV ---
- IBU **71**
- SRM **6.6**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **24.8 liter(s)**

## Steps

- Temp **55 C**, Time **10 min**
- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **18.6 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **10 min** at **55C**
- Keep mash **40 min** at **64C**
- Keep mash **25 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **14 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński        | 4.7 kg (75.8%) | 80 %  | 4   |
| Grain | Strzegom Monachijski typ I | 1 kg (16.1%)   | 79 %  | 16  |
| Grain | Strzegom pszeniczny        | 0.5 kg (8.1%)  | 81 %  | 6   |

## Hops

| Use for             | Name   | Amount | Time     | Alpha acid |
|---------------------|--------|--------|----------|------------|
| Boil                | Simcoe | 40 g   | 60 min   | 13 %       |
| Boil                | Simcoe | 20 g   | 15 min   | 13 %       |
| Boil                | Simcoe | 20 g   | 5 min    | 13 %       |
| Aroma (end of boil) | Simcoe | 20 g   | 0 min    | 13 %       |
| Dry Hop             | Simcoe | 100 g  | 4 day(s) | 13 %       |

## Yeasts

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

## Extras

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | Mech Irlandzki | 10 g   | Boil    | 15 min |