

- Gravity **16.4 BLG**
- ABV ---
- IBU **80**
- SRM **6.7**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **30.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **37 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27 liter(s)**
- Total mash volume **36 liter(s)**

### Steps

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

### Mash step by step

- Heat up **27 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **19 liter(s)** of **76C** water or to achieve **37 liter(s)** of wort

### Fermentables

| Type  | Name              | Amount      | Yield | EBC |
|-------|-------------------|-------------|-------|-----|
| Grain | Strzegom Pale Ale | 9 kg (100%) | 79 %  | 6   |

### Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil    | Simcoe  | 20 g   | 45 min   | 13.2 %     |
| Boil    | Chinook | 20 g   | 40 min   | 13 %       |
| Boil    | Mosaic  | 20 g   | 35 min   | 10 %       |
| Boil    | Cascade | 20 g   | 30 min   | 6 %        |
| Boil    | Simcoe  | 20 g   | 20 min   | 13.2 %     |
| Boil    | Chinook | 20 g   | 15 min   | 13 %       |
| Boil    | Mosaic  | 20 g   | 10 min   | 10 %       |
| Boil    | Cascade | 20 g   | 5 min    | 6 %        |
| Dry Hop | Simcoe  | 10 g   | 5 day(s) | 13.2 %     |
| Dry Hop | Chinook | 10 g   | 5 day(s) | 13 %       |
| Dry Hop | Mosaic  | 10 g   | 5 day(s) | 10 %       |
| Dry Hop | Cascade | 10 g   | 5 day(s) | 6 %        |

### Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|              |     |     |        |           |
|--------------|-----|-----|--------|-----------|
| Safale US-05 | Ale | Dry | 11.5 g | Fermentis |
|--------------|-----|-----|--------|-----------|

### Extras

| Type   | Name | Amount | Use for | Time   |
|--------|------|--------|---------|--------|
| Fining | mech | 3 g    | Boil    | 15 min |