

## corona?

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **19**
- SRM **4**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **10.3 liter(s)**
- Total mash volume **13.3 liter(s)**

### Steps

- Temp **52 C**, Time **10 min**
- Temp **66 C**, Time **45 min**
- Temp **72 C**, Time **25 min**

### Mash step by step

- Heat up **10.3 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **45 min** at **66C**
- Keep mash **25 min** at **72C**
- Sparge using **7.9 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

### Fermentables

| Type  | Name               | Amount          | Yield | EBC |
|-------|--------------------|-----------------|-------|-----|
| Grain | Pilzneński         | 1.9 kg (64.4%)  | 81 %  | 4   |
| Grain | Corn, Flaked       | 0.3 kg (10.2%)  | 80 %  | 2   |
| Grain | Rice, Flaked       | 0.2 kg (6.8%)   | 80 %  | 2   |
| Grain | Strzegom Wiedeński | 0.55 kg (18.6%) | 79 %  | 10  |

### Hops

| Use for | Name                   | Amount | Time   | Alpha acid |
|---------|------------------------|--------|--------|------------|
| Boil    | Saaz (Czech Republic)  | 15 g   | 60 min | 4.5 %      |
| Boil    | Cascade                | 15 g   | 10 min | 6 %        |
| Boil    | Saaaz (Czech Republic) | 5 g    | 5 min  | 4.5 %      |

### Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale K-97 | Ale  | Dry  | 11.5 g | Fermentis  |

### Extras

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

|        |                 |      |      |        |
|--------|-----------------|------|------|--------|
| Flavor | trawa cytrynowa | 10 g | Boil | 10 min |
|--------|-----------------|------|------|--------|