

#194 Simcoe

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **38**
- SRM **3.8**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **23.4 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **27.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.22 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **19.6 liter(s)**

Steps

- Temp **50 C**, Time **10 min**
- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **54.7C**
- Add grains
- Keep mash **10 min** at **50C**
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **17.4 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------------|-----------------|-------|-----|
| Grain | Pilzneński Steinbach | 3.4 kg (73.1%) | 81 % | 4 |
| Grain | Carapils Weyermann | 0.55 kg (11.8%) | 78 % | 4.5 |
| Grain | Monachijski jasny Viking Malt | 0.25 kg (5.4%) | 80 % | 15 |
| Grain | Pszeniczny Steinbach | 0.25 kg (5.4%) | 85 % | 4 |
| Grain | Carahell Weyermann | 0.2 kg (4.3%) | 77 % | 25 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------------|--------|----------|------------|
| First Wort | Simcoe US 2021 | 15 g | 60 min | 12.8 % |
| Boil | Simcoe US 2021 | 10 g | 30 min | 12.8 % |
| Aroma (end of boil) | Simcoe US 2021 | 25 g | 5 min | 12.8 % |
| Dry Hop | Simcoe US 2021 | 50 g | 7 day(s) | 12.8 % |

Yeasts

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

| | | | | |
|----------------------|-----|--------|-------|------------------|
| FM52 Amerykański Sen | Ale | Liquid | 40 ml | Fermentum Mobile |
|----------------------|-----|--------|-------|------------------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 5 g | Boil | 15 min |