

Session IPA

- Gravity **11 BLG**
- ABV ---
- IBU **47**
- SRM **6.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.2 liter(s) / kg**
- Mash size **9.6 liter(s)**
- Total mash volume **12.6 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **71 C**, Time **15 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **9.6 liter(s)** of strike water to **70.9C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **71C**
- Keep mash **5 min** at **76C**
- Sparge using **12.4 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński | 2.4 kg (80%) | 80 % | 4 |
| Grain | Strzegom Monachijski typ I | 0.2 kg (6.7%) | 79 % | 16 |
| Grain | Cara Gold Castlemalting | 0.1 kg (3.3%) | 78 % | 120 |
| Grain | Weyermann pszeniczny jasny | 0.3 kg (10%) | 80 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Magnum | 10 g | 60 min | 13.5 % |
| Boil | Columbus/Tomahawk/Zeus | 10 g | 15 min | 15.5 % |
| Boil | Centennial | 10 g | 10 min | 10.5 % |
| Boil | Simcoe | 10 g | 5 min | 13 % |
| Boil | Citra | 10 g | 1 min | 12 % |
| Dry Hop | Centennial | 20 g | 5 day(s) | 10.5 % |
| Dry Hop | Simcoe | 20 g | 5 day(s) | 13 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|-------------|-------------|---------------|-------------------|
| Safale US-05 | Ale | Dry | 10 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|----------------|---------------|----------------|-------------|
| Water Agent | Chlorek Wapnia | 5 g | Boil | 60 min |