

SASION AIPA próba

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **58**
- SRM **5.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **18.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **20.4 liter(s)**
- Boil time **80 min**
- Evaporation rate **10 %/h**
- Boil size **25.2 liter(s)**

Mash information

- Mash efficiency **73 %**
- Liquor-to-grist ratio **3.05 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18.6 liter(s)**

Steps

- Temp **53 C**, Time **13 min**
- Temp **64 C**, Time **60 min**
- Temp **71 C**, Time **15 min**
- Temp **76 C**, Time **4 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **14 liter(s)** of strike water to **58.4C**
- Add grains
- Keep mash **13 min** at **53C**
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **71C**
- Keep mash **4 min** at **76C**
- Keep mash **1 min** at **78C**
- Sparge using **15.8 liter(s)** of **76C** water or to achieve **25.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Pilzneński | 3.6 kg (78.3%) | 81 % | 4 |
| Grain | Pszeniczny | 0.35 kg (7.6%) | 85 % | 4 |
| Grain | Strzegom Monachijski typ I | 0.25 kg (5.4%) | 79 % | 16 |
| Grain | Cara Gold Castlemalting | 0.1 kg (2.2%) | 78 % | 120 |
| Grain | Carahell | 0.3 kg (6.5%) | 77 % | 26 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|--------|------------|
| Boil | Magnum | 12 g | 60 min | 13.5 % |
| Boil | Motueka | 12 g | 60 min | 9.3 % |
| Boil | Columbus/Tomahawk/Zeus | 15 g | 15 min | 15.5 % |
| Boil | Centennial | 15 g | 10 min | 10.5 % |
| Boil | Simcoe | 15 g | 5 min | 13.2 % |

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|---------|------------|------|----------|--------|
| Boil | Citra | 15 g | 1 min | 12 % |
| Dry Hop | Centennial | 45 g | 3 day(s) | 10.5 % |
| Dry Hop | Amarillo | 45 g | 3 day(s) | 9.5 % |
| Dry Hop | Simcoe | 45 g | 3 day(s) | 13.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|-------|--------|------------------|
| FM52 Amerykański Sen | Ale | Slant | 200 ml | Fermentum Mobile |