

Geronimo

- Gravity **18.7 BLG**
- ABV ---
- IBU **104**
- SRM **12.2**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **21.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.7 liter(s)**
- Total mash volume **27.6 liter(s)**

Steps

- Temp **62 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **4 min**

Mash step by step

- Heat up **20.7 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **45 min** at **62C**
- Keep mash **15 min** at **72C**
- Keep mash **4 min** at **78C**
- Sparge using **13.4 liter(s)** of **76C** water or to achieve **27.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------------|----------------|-------|-----|
| Grain | Pilzneński | 5 kg (69.9%) | 81 % | 4 |
| Grain | Cara Gold Castlemalting | 0.5 kg (7%) | 78 % | 120 |
| Grain | Weyermann pszeniczny jasny | 0.7 kg (9.8%) | 80 % | 6 |
| Grain | Monachijski | 0.7 kg (9.8%) | 80 % | 16 |
| Sugar | cukier | 0.25 kg (3.5%) | 100 % | 1 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Magnum | 40 g | 45 min | 13.5 % |
| Boil | Columbus/Tomahawk/Zeus | 20 g | 30 min | 18 % |
| Boil | eureka | 15 g | 30 min | 18 % |
| Boil | Ahtanum | 15 g | 15 min | 5 % |
| Boil | Simcoe | 15 g | 15 min | 13.2 % |
| Boil | Citra | 15 g | 10 min | 12 % |
| Dry Hop | Citra | 15 g | 3 day(s) | 12 % |
| Dry Hop | Ahtanum | 20 g | 3 day(s) | 5 % |

| | | | | |
|---------|--------|------|----------|--------|
| Dry Hop | Simcoe | 20 g | 3 day(s) | 13.2 % |
| Dry Hop | eureka | 10 g | 3 day(s) | 18 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11.5 g | Fermentis |