

AMERICAN IPA Podejście 3

- Gravity **14.4 BLG**
- ABV ---
- IBU **71**
- SRM **8.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **8 %**
- Size with trub loss **25.5 liter(s)**
- Boil time **90 min**
- Evaporation rate **15 %/h**
- Boil size **33.4 liter(s)**

Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **23.8 liter(s)**
- Total mash volume **30.6 liter(s)**

Steps

- Temp **55 C**, Time **15 min**
- Temp **64 C**, Time **70 min**
- Temp **72 C**, Time **15 min**
- Temp **77 C**, Time **5 min**

Mash step by step

- Heat up **23.8 liter(s)** of strike water to **60C**
- Add grains
- Keep mash **15 min** at **55C**
- Keep mash **70 min** at **64C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **77C**
- Sparge using **16.4 liter(s)** of **76C** water or to achieve **33.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|---------------|--------|-----|
| Grain | Pilzneński | 5 kg (73.5%) | 80.5 % | 2 |
| Grain | Weyermann pszeniczny jasny | 0.6 kg (8.8%) | 80 % | 6 |
| Grain | Strzegom Monachijski typ I | 0.5 kg (7.4%) | 79 % | 16 |
| Grain | Strzegom Karmel 150 | 0.3 kg (4.4%) | 71.7 % | 120 |
| Grain | Acid Malt | 0.4 kg (5.9%) | 58.7 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|------------|--------|----------|------------|
| Boil | Mosaic | 20 g | 60 min | 13.5 % |
| Boil | Simcoe | 30 g | 20 min | 13 % |
| Boil | Centennial | 40 g | 20 min | 10.5 % |
| Whirlpool | Citra | 30 g | 0 min | 12 % |
| Dry Hop | Centennial | 30 g | 7 day(s) | 10.5 % |
| Dry Hop | Citra | 30 g | 5 day(s) | 13 % |

| | | | | |
|---------|----------|------|----------|-------|
| Dry Hop | Amarillo | 30 g | 3 day(s) | 9.5 % |
|---------|----------|------|----------|-------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-05 | Ale | Dry | 11 g | Safale |

Extras

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